रजिस्ट्री सं० डी-(डी एन)-128/89 REGISTERED NO. D-(D-N)-128/89

भारत का राजपत्र
The Gazette of India

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 1st April 1989

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5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-70020.

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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PATENT OFFICE BRANCH, BOMBAY-400 013

CARRIGENDUM

(1) In the Gazette of India Part III, Section 2, dated 7th January, 1989 under the heading 'Complete specification Accepted' on page 13.

(i) In respect of Patent No. 164069 for Application No. 282/BAM/1985 read as 282/BOM/1985.

(2) In the Gazette of India III, Section 2, dated 21st January, 1989 under the heading 'Corrigendum' published on page 55, in claim 1,

(i) In respect of Patent Application No. 218/BOM/1988; : in the title of invention for c.p read CAP;

(3) In the Gazeztte of India, Part III, Section 2, dated 31st December, 1988, under the heading 'corrigendum' on page-1350, in column 1

(i) In respect of for Patent No.—163460 (377/BOM/87) read as 163560.

(4) In the Gazeztte of India Part III, Section 2, dated 17th December, 1988 under heading 'Complete specification accepted' on page 1325,

(i) In respect of Patent No. 163980 (339/BOM/1989) total No. of pages of complete specification read 18, for 10.

GOVERNMENT OF INDIA
THE PATENT OFFICE

Calcutta, the 1st April 1989

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGDISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 22nd February 1989

152/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to test device for circuit breakers having electronic trip units.

153/Cal/89. Sico Incorporated. Folding headboard for folding bed.

The 23rd February 1989

154/Cal/89. Stone & Webster Engineering Corporation. A device for the convective reforming of a feed mixture of hydrocarbons and steam into a hydrogen rich gas. [Divisional date 26-06-86].

155/Cal/89. Fiddia, S.p.A. Process for the preparation of new medicants. [Divisional date 27-3-86].

156/Cal/89. Lanxide Technology Company, Lp. An article of commerce.

The 24th February 1989

157/Cal/89. Gould Inc. Resistive metal and method for making the same.

158/Cal/89. Kawasaki steel corporation. Method for producing chromium containing molten iron with low sulphur concentration.

159/Cal/89. Edward Koppelman. Multiple hearth reactor for thermal treatment of carbonaceous materials. [Divisional date 25-11-85].

160/Cal/89. Wyzsza Szkola Inzynierska Im. Kazimierza Pulaskiego. Method for depressant obtaining.

The 27th February 1989

161/Cal/89. Mitsui Toatsu Chemicals, Incorporated. Production process of chlorine.

162/Cal/89. Copeland Corporation. Refrigeration Compressor.

163/Cal/89. Harnischfeger Corporation. Support assembly for a Dragline bucket.

164/Cal/89. Lenzing Aktiengesellschaft. Apparatus for the onward conveyance and stacking of Flat material sections, in particulars of bags.

165/Cal/89. Alfa-Laval food & dairy engineering ab. A method and arrangement for aseptic filing of a closable bag of flexible material. [Divisional date 05-05-86].

166/Cal/89. Electro Erg Limited. Compensation circuit for electrical generators. (Convention date 18-3-1988 & 08-02-1989) Canada & U.S.A. respectively.

167/Cal/89. Chitta Ranjan Mukherjee. Improved life protector in water-cum-water bi-cycle.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 661, WALLAJAH ROAD, MADRAS-600 002

The 13th February 1989

109/Mas/89. Srinivasa Natarajan. An automatic water sopper.

110/Mas/89. Draksharapur Nagabhushana Rao. Self closing valve for public hydrants for protecting and aliminating wastage of water while the water tap is removed or missing.

111/Mas/89. Alcan International Limited. Alumina Hydrate-containing toothpaste. February 12, 1988; Great Britain).

112/Mas/89. Alcan International Limited. Alumina Hydrate-containing toothpaste. (February 12, 1988; Great Britain),

113/Mas/89. Calgene Inc. A method for preparing an expression cassete. (Divisional to Patent Application No. 393/MAS/87).

The 14th February 1989

114/Mas/89. Henkel Kommanditgesellschaft auf Aktien. Co-polymers of long-chain alkyl acrylates with N-containing olefin.

115/Mas/89. Maschinenfabrik Rieter AG. Fixing for a stationary flat for a carding machine.

116/Mas/89. Maschinenfabrik Rieter AG. Clothing for a cleaning or opening roller.

117/Mas/89. Maschinenfabrik Rieter AG. Mote knife for fitting to a flat of a carding machine.

118/Mas/89. Maschinenfabrik Rieter AG. Method of and apparatus for filling a can with sliver.

119/Mas/89. Maschinenfabrik Rieter AG. Method of processing staple fibres into yarn.

120/Mas/89. Maschinenfabrik Rieter AG. Pressure roller for biasing a rotating roller in a textile machine.

The 15th February 1989

121/Mas/89. K. Appukuttan Nair; J. Sohana; A. Hari Krishna and S. Hema Latha. Output/Input rtio increasing machine.

122/Mas/89. Dr. Mathew George. Apparatus for the micro ion analgiser.

123/Mas/89. A Ahlstrom Corporation. Integrated gas turbine power generation system and process.

124/Mas/89. Minnesota Mining and Manufacturing Company. Light-rechargeable battery.

125/Mas/89. Novo Industri A/S. Method for production of an upgraded coconut product.

126/Mas/89. Pall Corporation. Device and method separating elucocytes from platelet concentration.

127/Mas/89. Howard W Cole Jr. Device for containing the flow of foam.

The 16th February 1989

128/Mas/89. J & D Wilkie Limited. A thermal camouflage fabric. (February 19, 1988; ;United Kingdom).

129/Mas/89. Process Scientific Innovations Ltd. Oil coalescing filter. (February 17, 1988; Great Britain).

130/Mas/89. Rhone-Poulenc Chimie. New grafted sulphonated polyesters, a method of preparing them and their application to sizing textile threads and fibres.

The 17th February 1989

131/Mas/89. HULS Aktiengesellschaft. Process for the manufacture of vinyl chloride by conversion of acetylene with hydrogen chloride.

132/Mas/89. F L Smidth & Co. A/S. Heat exchanger.

133/Mas/89. Bentech Laboratories, Inc. Method for enhancing protein content, providing improved freeze protection, and obtaining seed priming in crops with the use of salts of chitosan.

134/Mas/89. Merlin Gerin. Manufacturing process of a composite part and electical contact with contact pad manufactured according to this process.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUNMILL COMPOUND, LOWER PAREL (W) BOMBAY-13

The 6th February 1989

28/Bom/89. Hindustan Lever Limited. Detergent composition. (10th February 1988, Gr. Britain.)

29/Bom/89. Hindustan Lever Limited. Detergent composition. (10th February 1989, Gr. Britain).

30/Bom/89. Jitender Singh Bains. Pipe Lifter for hand pumps pipe line.

The 7th February 1989

31/Bom/89. Shodhan Anil Bhave. Embosing machine using static electricity to get an impression.

32/Bom/89. Shodhan Anil Bhave. An air-tight in candecent apparatus with an external heating coil.

The 8th February 1989

33/Bom/89. Rajendra Singh Chauhan. Invention for liquiefied petroleum gas leakage and flame failure alarm.

34/Bom/89. Sudhakar Kashinath Kulkarni. Spark-distributor with hydraulic mechanism for automatic advance and retard of ignition timing in multicylinder carburreted I. C. engines.

35/Bom/89. Prabhakar Ganesh Bhide. An automatic fuel supply take-over system.

36/Bom/89. Marathe Research Foundation. Neutral Failure Relay.

The 9th February 1989

37/Bom/89. Garware-Wall R & D Division. Lubricating duid for pumping cables through ducts.

The 10th February 1989

38/Bom/89. Gujarat Communication and Electronics Limited. Software electronic device for STD operation.

The 13th February 1989

39/Bom/89. Birla Research Institute for Applied Science. Method for the manufacture of cellulosic fibres spun from novel solvent system.

The 17th February 1989

40/Bom/89. Sea-Hawk Marine & Allied Services Private Limited. An improved sealing device.

41/Bom/89. Pynadath Thomas Joy. A geared rotary table as tool post-slide support.

ALTERATION OF DATE

164530. Anti-dated 10th October, 1984.
(541/Del/86).

OPPOSITION PROCEEDINGS

The Opposition entered by M/s. Christine Hoden (India) Pvt. Ltd. to the grant of a patent on application No. 169496 made by Tambrands Ltd. as notified in the Gazette of India, Part III, Section 2, dated 5th December, 1987 has been dismissed and the Patent shall be sealed provided request is made in prescribed manner.

The opposition entered by Christine Hoden (India) Pvt. Ltd. on 13th November, 1987 to the grant of a patent on application No. 160083 made by Lars Osten Forsman dated 27th June, 1983 has been dismissed and the patent shall be sealed provided a request is made to that effect in the prescribed manner.

An Opposition has been entered by Methodex Infres Private Limited to grant of a patent on application No. 163277 (479/Del/85) dated 17-6-85 made by Unitek Copiers Private Limited.

PATENTS SEALED

CALCUTTA.

159496 160083 162366 162512 162547 162588 162707 162720 162741 162750 162850.

DELHI

162300 162328 162445 162578 162628 162629 162673 162740 162854.

BOMBAY

162412 163248 163251 163253 163254 163255 163256 163261.

MADRAS

163002 163003 163004 163005 163122 163123 163124 163128 163129 163130 163131 162132 163133 163134 163135 163137 163138 163139 163140 163142.

AMENDMENTS PROCEEDINGS UNDER SECTION 57 OF THE PATENTS ACT, 1970

Notice is hereby given that President Engineering Corp. of Florastrasse 11, 3024 Zurich Switzerland, a corporation existing and organised in accordance with Swiss Law has made an application on form-29 under section 57 of The Patents Act, 1970 for amendment of specification of their application for Patent No. 290/Del/85 for A process and a heatable double-belt press for continuously producing metal laminated base material for printed circuits boards. The amendments are by way of correction and explanation in order to ascertain the invention better. The application for amendment and the proposed amendments can be inspected free of charges at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that the Kaveri Engineering Industries Ltd., Golden Rock, Tiruchirapalli-620 004, Tamil Nadu, have made an Application under Section 57 of the Patents Act, 1970, for amendment of Specification of their Application for Patent No. 164282 for "PACKING FOR USE IN WASTE WATER TREATMENT PROCESSES AND A METHOD OF MANUFACTURING THE SAME". The amendment by way of correction. The Application for amendments and the proposed amendments can be inspected free of charge at The Patent Office, 61, Wallajah Road, Madras-600 002 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the Application for amendment may file a Notice of Opposition on prescribed form-30 within three months from the date of the Notification at The Patent Office, Madras. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

MECHANICAL LIST —IV

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Mechanical and General Industry are not being commercially worked in India as admited by patentees in the statements filed by them under Section 146 (2) of the Patents Act, 1970 in respect of calendar year 1987 generally on account of want of request for licence to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Patent No.	Date of Patent	Name & Address of the Patentee	Title of the invention
1	2	3	4
144503	25-10-1976	Ahmedabad Textile Industry's Research Association, P.O. Polytechnic, Ahmedabad, 380 015, Gujarat.	A device for detecting/recording/measuring/checking lightness and slackness in a closed loop oscillating system and modified shedding mechanism for a loom.
145392	7-12-1976	Do.	A device or instrument for tracing the profile of cams or tappets and plotting any parameter which is a function or a cam profile.
147004	27-5-1977	Do.	Means or an instrument for testing breaking strength of fibre bundle.
147014	4-8-1978	Do.	An instrument to measure and indicate the speed of the shuttle in and for looms.
147745	22-7-1977	Do.	A rapid abrasion testing meany for textile fabrics.
148043	12-12-1978	Do.	A method & equipment for recovery of high boiling petroleum fractions and for terpentine present in a gaseous mixture issuing an exhaust from textile and like dryers.
148672	12-12-1978	Do.	A novel process and apparatus to recover steam and hot water from blow-down water of a boiler.
151569	14-7-1980	Do.	Device to measure indicate and/or control within present limits stretch/shrinkage of a sect material.
155925	29-8-1983	Do.	An improved top roller cleaner for textile machinery in particular for ring frames, fly frames and draw frames.
148806	27-3-1979	Arvind Shamrao Nadgauda, Plot No. 161/A/3, Modibaugh, Ganeshkhind Road, Pune-411016, Maharashtra State.	Improvements in or relating to projector for conerting images obtained from ordinary two dimensional moving films to images having stereoscopic or three dimensional effects.
140504	27-7-1974	B'ALCKE-DURR ASG. Homberget Str. 2, 4030, Ratingen, West Germany.	A method of and apparatus for helically winding a band on tube to produce a helically fire tube.
143019	14-7-1975	Do.	A method of an apparatus for helically winding of a band on a tube to form a helically tinned tube and the helically tinned tube thus produced.

1	2	3	4
146372	7-7-1976	B' ALCKE-DURR ASG. Homberget Str. 2 4030, Ratingen, West Germany.	A method of and an apparatus for helically winding a strip on to a tube to produce a tinned tube.
149290	9-7-1980	CEMINDIA COMPANY LTD. Steelcrete House, Dinshaw Vachha Road, Bombay-400 020, Maharashtra, India.	Pile and linear assembly process for the manufacture thereof and method of piling employing such assembly.
158801	21-8-1984	Croll-Reynolds Engineering Co. Inc. 2400 Reservoir Avenue, Connecticut 06611, USA.	A process for removing solids from a liquid without loss of heel portion and an apparatus therefor.
143361	28-2-1975	FRITZ STAHLECKER, Josef-Neidhart Strasse 18, D-7341 Bad Ueberkingen, West Germany.	Method and apparatus for start spinning a thread of an open-end spinning unit of an open-end spinning machine.
143551	31-12-1975	Do.	Open and spinning unit containing means for cleaning fibrous material.
143635	28-2-1975	Do.	An open-end spinning machine incorporating a movable piecing-up apparatus.
154780	28-7-1981	Do.	Ply yarn, spinning assembly.
146140	4-6-1976	FUJI-TOYUKI CO. LTD. 1217 Hayashik-cho, Takamatsu shi, Kagawa-ken, Japan.	Oil lubricating device.
156575	30-6-1982	JAIKRISHIN GANGARAM GVALANI, E-2/6 Sunder Nagar, S.V. Road, Malad (West), Bombay-400 064.	An improved device for teaching multiplication tables.
146820	19-11-1976	Hindustan Lever Limited, 165/166 Hindustan Lever House, Backbay Reclamation, Bombay-400 020, Maharashtra, India.	Toothbrushes.
146562	19-1-1978	Do.	An improved device for pouring pourable materials such as liquids slurries and celluloids from a container.
155709	7-4-1982	Jayesh Ramesh Bellare, 44/1318 Adarsh Nagar Prabhadevi, Bombay-400 025, Maharashtra, India and others etc.	A continuous and automatic type liquid refractive index and/or liquid refractive index dependent parameter measuring and indicating device.
156338	8-8-1983	Do.	An immersible type device for continuously measuring and indicating refractive index and/or refractive index dependent parameter of liquid.
155250	6-12-1982	JEHANGIR CAWAS MODY, C.J. Industries, Hampton Court, Nathalala Parekh Marg, Bombay-400 005, Maharashtra, India.	Improvements in or relating to flooring tiles.
149288	7-3-1979	KABELSCHLEPP GmbH, Naruebrirber/ Str. 75, D, 5900 Siegan 1, West Germany.	Improvements in supply line support ducting.
152929	11-5-1981	Do.	Energy transmission conduit.
152930	11-5-1981	Do.	Energy transmission conduit.
152839	6-6-1981	KHUSHROO GHADIALI Ava Mansion, 230 Tardeo Road, Bombay-400 007, Maharashtra, India.	An improved bumper device for vehicles.
146888	11-3-1977	KIMMON MANUFACTURING COMPANY LIMITED, 2-3, 1-chome, Shimura, Itabashi-ku, Tokyo, Japan.	Diaphragm type gas meter.
150072	21-8-1979	Kirloskar Brothers Ltd., Udyog Bhavan, Tilak Road, Pune-411 002, Maharashtra, India.	A self-coupling shaft.
157145	1-7-1983	KURT KRONENBERG, Muhlenbergweg 10, D-5485, Sinzig, West Germany.	Closing device for flexible containers.
154782	9-8-1982	Maschinenfabrik Fr. Niepmann GmbH & Co. Bahnhofstrasse 21, 5820, Gevelsberg, F.R.G.	Device for the packaging of powder granulates and lump, pasty and liquid materials to be packed by means of a tubular film.

1	2	3	4
155984	13-1-1983	Nandan Ramdas Chittal, 10/6, Sahajivan, Barve Nagar, Ghatkopar (W), Bombay-400 084, Maharashtra, India.	Fan cover.
156570	30-6-1983	Do.	One piece circular blade for fans.
156572	29-7-1983	Do.	Semi-circular shaped fan blade.
156573	29-7-1983	Do.	A ceiling fan.
153798	12-5-1982	NARESH KUMAR GOGLE, 43-D/214, Manish Nagar, Versova Road, Andheri (W), Bombay-400 058.	Folding safety/crash helmet.
141007	11-8-1976	National Dairy Development Board, Anand, State of Gujarat, India.	Automatic vending system for liquids.
144422	11-7-1977	Do.	A manual system for dispensing a liquid like milk, beverages and other liquids.
156747	20-11-1982	NIPPON RIKA KOGYOSHO CO. LTD., 20-6, ohi 1-chome, Shinagawa-ku Tokyo, Japan.	Apparatus for manufacturing prepare of mica sheets.
150732	14-11-1980	ONODA CEMENT CO. LTD. 6276 Oaza Onoda, Onoda-shi, Yamaguchi-ken, Japan.	An air classifier.
157829	18-2-1984	Prof. Dr. Med. Dieter Ruhland, Jungeblodt-platz 1, 4400 munster, West Germany.	Auto transfusion apparatus.
153097	10-11-1981	SANDVIK AKTIEBOLOG, Fack 5-81101, Sandviken 1, Sweden.	Cutting tool.
154583	26-3-1981	Do.	Drill tool.
155247	14-12-1981	SHRIKANT GAJANAN PAWAR, Mech. Engg. Deptt. V.J.T.I. Bombay-400 019.	A device for utilization of heat energy from the cooling water and exhaust gas of an I.C. engine plant.
143266	21-2-1975	SLM, MANEKLAL INDUSTRIES LTD. Shafi Manjil, Ashram Road, City of Ahmed abad, State of Gujarat, India.	A system of bleaching textile fabrics.
151714	22-9-1890	Spindelfabrik Suessen Sehrur Stahlecker & Grill GmbH Dammstrasse 1, 7334 Sussen, F.R.G.	A device for interrupting the supply of roving in drafting system.
154768	28-1-1982	Do.	Device for interrupting the feed of a roving to drawing frames.
158207	6-9-1984	Vijay Govind Gokhale, Bombay Chemicals Pvt. Ltd. 129 Mahatma Gandhi Road, Bombay-400 023, Maharashtra, India.	A pre fabricated composite door or window frame.
142741	8-10-1975	YOSHIO MURAO, Ha 56-Zl, Masuizumi-machi, Kanazawam Ishikawa Pref. Japan.	Cleaning machine for bobbins with waste silver.
156364	10-9-1982	YOSHIO MURAO, Ha 173 Nukaotomaru-cho, Kanazawa-shi, Japan.	A clearer device for lower or bottom drafting rollers of a spinning machine.
156390	10-9-1982	Do.	Clearer device for top drafting rollers of a spinning machine.
155765	1-6-1982	SPINDLEFABRIK SUSSEN, SCHURR, STAHLECKER & GRILL G.m.b.H. Dammstrasse 1, 7334 Sussen, F.R.G.	Device for interrputing the feed of a roving to drawing frames of a spinning machine.
148580	28-9-1978	Brakes India Limited, Padi Madras-600050 Tamil Nadu, India.	A brake fluid reservoir of a hydraulic braking system.
148974	28-9-1979	Do.	A self-operative device for adjusting the brake lining with respect to the brake drum of a braking system.
149236	16-6-1980	Do.	An improved cam brake.
149241	5-4-1980	Do.	A pedal mechanism for a hydraulic brake system.
153829	25-10-1982	Do.	S' cam brake.

1	2	3	4
156335	19-10-1982	Barkes India Limited Padi, Madras-600050, Tamil Nadu, India.	A dust cover for wheel cylinders of vehicle hydraulic brake.
149019	21-8-1980	Carborundum Universal Ltd. 28 Rajaji Salai Madras-600 001 Tamil Nadu, India.	An improved abrasive grinding wheel and a process for manufacturing the same.
156547	8-4-1983	Do.	A process for manufacturing refractory casseroles and refractory casseroles made thereby.
147675	3-4-1978	Erodhula Satyanarayana 13-2-13 Mose House Maharanipet Vishakhapatnam 530 002 Andhra Pradesh, India.	Improvements in or relating to stoves.
150973	25-8-1981	India Pistons Ltd. Huzur Gardens, Sembiam, Madras-600 001, Tamil Nadu, India.	A method of manufacturing compression rings and compression rings manufactured thereby.
155038	22-6-1982	Do.	An expander for a multiple oil scrapper ring assembly and process for manufacturing th same.
154718	5-9-1981	(Dr.) Jose Thaikattil, University Health Centre, Calicut University, P.O. Kerala State.	Comb.
139094	17-7-1974	Lucas Industries Public Limited Co., Great King Street Birmingham-19, England.	Improvement- in disc brake.
139374	26-6-1974	Do.	A control valve assembly for a vehicle dual circuit breaking system.
141053	13-2-1975	Do.	Improvements in disc brakes for rail vehicles.
143076	25-10-1975	Do.	Improvements in actuator assemblies for vehicle brakes.
146711	1-6-1976	Do.	Improvements in and relating to brake assemblies.
146712	1-6-1976	Do.	Improvements in and relating to brake assemblies.
146713	1-6-1976	Do.	Improvements in or relating to brakes.,
146714	1-6-1976	Do.	Improvements in or relating to disc brakes.
148029	31-1-1978	Do.	Hydraulic braking systems for vehicles.
148424	21-5-1975	Do.	Improvements in vehicle brake.
148778	28-8-1978	Do.	Improvements in spreading disc brakes or vehicles.
149239	10-5-1979	Do.	A sisc brake for vehicles.
149242	31-8-1979	Do.	A servo booster assembly for vehicle braking system.
149294	5-7-1979	Do.	A servo booster assembly for a vehicle braking system.
149295	5-7-1979	Do.	A servo booster for a vehicle braking system.
149296	5-7-1979	Do.	A servo boosters assembly.
149297	5-7-1979	Do.	A servo booster for a vehicle braking system.
149394	8-2-1980	Do.	A vehicle disc brake assembly.
149638	11-12-1979	Do.	A railway disc brake assembly.
149798	29-10-1979	Do.	Brake actuating assembly for a vehicle braking system.
149834	19-9-1979	Do.	A disc brake assembly.
149835	9-1-1980	Do.	A friction pad assembly for rail vehicle brake.

1	2	3	4
149898	11-12-1979	Lucas Industries Public Limited Co. Great King Street, Birmingham-19, England.	A disc brake for rail vehicles.
149968	22-3-1980	Do.	A self energising disc brake.
150178	9-1-1980	Do.	Control valve assembly.
150265	28-11-1979	Do.	Brake actuator.
150269	23-2-1981	Do.	A pin sliding caliper-disc brakes.
150356	17-11-1979	Do.	Servo boosters for vehicle braking system.
150358	5-3-1980	Do.	A brake friction pad or shoe assembly.
150461	8-2-1980	Do.	A friction lining wear indicator for shoe drum brake.
150531	19-3-1979	Do.	Improvements in disc brakes for railway vehicles.
150635	9-1-1980	Do.	Vehicle load sensing arrangement.
150636	5-3-1980	Do.	Drum brake adjusters.
150673	7-7-1980	Do.	A piston assembly for hydraulic master cylinder.
150779	21-5-1980	Do.	Automatically adjustable shoe drum brake.
150822	9-2-1979	Do.	Imporvements in fluid pressure operated brakes for vehicles.
151332	12-6-1980	Do.	Internal shoe drum brake.
151352	21-5-1980	Do.	A brake having an automatic adjuster.
151873	7-4-1981	Do.	Master cylinder.
152181	23-2-1981	Do.	A servo booster for vehicle braking systems.
152469	1-4-1981	Do.	A method of manufacturing a master cyclinder
152471	30-5-1981	Do.	Hose connector.
153873	5-8-1981	Do.	Master cylinder.
154071	22-12-1981	Do.	Friction pad assembly for use in a disc brake.
155601	15-10-1981	Do.	Vehicle drum brakes.
155604	4-12-1981	Do.	Automatic adjuster for a shoe drum brake and shoe drum brake incorporating the same.
156336	20-4-1983	Do.	A side for a vehicle disc brake,
156719	20-11-1982	Do.	Actuator for shoe drum brake and a shoe drum brake incorporating such actuator.
157182	11-1-1983	Do.	Internal shoe drum brake.
157186	20-4-1983	Do.	A disc for a vehicle disc brake.
157190	16-5-1983	Do.	An automatic adjuster for a shoe drum brake.
157209	27-10-1982	Nambamudi Sinniah Vellasithan Sinnaiah Velanipatty, Kattampur Post, Ramnad District, Tamil Nadu, India.	An improved reduction gear arrangement.
149184	14-11-1979	SHROFF PILLAPPA VENKATASUBBIAH, No. 12, Thimmaraya Setty Lane, Nagarthapet Cross, Bangalore-560 002, Karnataka State, India.	An apparatus for discharging liquid in measured quantity.

1	2	3	4
156332	13-1-1983	The South India Textile Research Association, Coimbatore Aerodrime P.O. Coimbatore-641 014, Tamil Nadu, India.	A process and a machine for manufacturing improved suture threads.
158412	16-6-1984	Do.	A device for manufacturing stiffness and for thickness of sheet material.
149382	22-8-1980	Vellaippan Velayudan Thanga Thirupathy No. 13, Sadasiva Pillai Lane, Chintadripet, Madras-600 002, Tamil Nadu, India.	A safety device for use in air or space crafts.
144400	19-8-1976	VST INDUSTRIES LIMITED, Mazamabad, Hyderabad-500 020, Andhra Pradesh.	Improvements in or relating to blanks for cartons.

COMMERCIAL WORKING OF PATENTED INVENTIONS

CHEMICAL-LIST NO. IV

The following patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by Patenteed in the statements filed by them under Section 146(2) of Patents Act, 1970 in respect of calendar year 1987 generally on account of want of request for Licences to work the patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Patent No.	Date of Patent	Name & Address of the Patentee	Title of the invention
1	2	3	4
138245	18-3-1974	Ahmedabad Textile Industry's Research, P.O. Polytechnic, Ahmedabad 380 015, Gujarat.	An improved process for resin finishing of textiles.
146666	18-5-1978	Do.	A process for bleaching textile being cotton and its blends and an equipment for it.
146879	5-11-1976	Do.	Process of obtaining dyeing or printing effects on fabrics.
149098	17-3-1979	Do.	An improved process for imparting flame retardancy to cellulosic fibres.
155935	22-9-1982	Arbed S.A., Avenue de la Liberte, L-2930, Luxembourg.	A process and device for refining a metal bath containing substantial quantites of solid cooling matter in a particular scrap metal.
153031	16-5-1981	Cancer Research Institute, Tata Memorial Centre, Parel, Bombay-400012, Maharashtra, India.	Process for preparation of anti-leprosy vaccine.
146760	4-8-1978	Dhrangadhra Chemical Works Ltd., Nirmal, 3rd floor, 241, Backbay Reclamation, Nariman Point, Bombay-20.	Improvements in or relating to the manufacture of soda ash.
154711	30-4-1982	Hindustan Ciba-Geigy Ltd., Aarey Road Goregaon East, Bombay-400063, Maharashtra, India.	Process for the manufacture of novel guanidine derivatives.
155606	22-1-1983	Do.	A novel process for the preparation of 5-aralkyl-2, 4-diaminopyrimidines.
155707	22-1-1983	Do.	A novel process for the manufacture of 5-aralkyl-2, 4-diaminopyrimidines.
158780	18-1-1985	Do.	A process for the preparation of Bensimidazole carbamates having pharmacological properties.

1	2	3	4
138928	11-4-1974	Hindustan Lever Ltd., 165-166, Backbay Reclamation, Bombay-400020, Maharashtra, India.	Cosmetic Skin moisturing composition.
146527	28-4-1977	Do.	A method of purifying perfumery materials.
146699	12-1-1977	Do.	An antipersperant composition.
147005	12-10-1976	Do.	Heavy duty detergent composition.
147013	8-9-1977	Do.	Process of refining triglyceride oils.
147266	10-2-1978	Do.	Deodorant detergent composition.
147286	15-2-1978	Do.	Preparation of allylic terpenic esters.
147448	4-8-1978	Do.	Process for improving colour and removing undesirable odour of soap.
147598	15-2-1978	Do.	A method of purifying allylic tertiary esters by distillation.
147962	15-5-1978	Do.	A process for making particulars detergent compositions.
148180	15-1-1979	Do.	Process for the preparation of alkyl benzene mono-sulphonic acid.
148996	24-4-1979	Do.	Synergistic compositions for promoting hair growth.
149583	10-7-1979	Do.	A method of extracting n-paraffins (wax from mineral oil containing n-paraffins.
149734	26-2-1979	Do.	Process for preparation of synthetic fatty acid soap from paraffins.
149765	9-1-1979	Do.	Deodorant detergent composition and process of preparing the same.
150018	27-11-1979	Do.	A process for making an improved dimensoinally stable detergent bar.
150029	27-11-1979	Do.	A process for making an improved dimensionally stable detergent bar.
150204	24-7-1980	Do.	A process for making plant growth nutrient/stimulant.
150249	20-3-1979	Do.	Non-germicidal deodorant toilet soap bar and process for preparing the same.
151014	21-6-1979	Do.	A process for obtaining basic aluminium halide such as chloride, bromide or iodide having improved antiperspirant properties.
151160	31-3-1980	Do.	Method and apparatus for the manufacture of multi-coloured detergent bars and detergent bars so produced.
151317	29-1-1981	Do.	Process for the manufacture of water soluble alkali metal salts of @-sulphonated alkyl esters of log chain fatty acids.
151322	18-1-1980	Do.	Liquid duty dishwashing liquid detergent compositions.
151711	6-7-1981	Do.	A process for preparing hardened and dehydroxylated castor fatty acid feedstock.
152715	4-9-1981	Do.	A method for preparing non-edible dehydroxylated short chain (C_1 to C_4) esters of hardened castor acids for use in soap-making lubricants and paints.

1	2	3	4
152722	8-7-1980	Hindustan Lever Ltd.	Process for producing a heteropolysaccharide.
153988	6-8-1980	Do.	Synergistic deodorant compositions.
153989	6-8-1980	Do.	Synergistic deodorant composition.
153990	4-9-1981	Do.	Method of deoiling of slack waxes and the deoiled slack wax obtained thereby.
153991	15-9-1980	Do.	A synergistic liquid dishwashing detergent composition for washing plates, dishes, and saucepans.
153992	17-3-1982	Do.	Method of upgrading linalyl acetate by remaining chlorine from impurities.
154319	30-10-1980	Do.	A process for preparing an adjunct for use in the manufacture of a detergent powder.
154705	12-1-1981	Do.	A process for preparing spray-dried detergent powders and detergent powders so prepared.
154776	7-2-1981	Do.	Process for the manufacture of calcium soap.
154777	7-2-1981	Do.	A process for the preparation of an alkali metal of an organic carboxylic acid.
154859	1-12-1980	Do.	An improved thickened liquid chlorine bleaching composition.
155041	9-4-1981	Do.	A detergent bar having halide material for washing in ultraviolet light.
155044	5-9-1981	Do.	A method of manufacturing built detergent bars of improved hardness.
155045	5-9-1981	Do.	A method of manufacturing built detergent bars of improved hardness.
155073	17-3-1982	Do.	Detergent bars having improved resistance to sogginess and reduced rate of wear.
155097	17-6-1981	Do.	Particulate, soap-based detergent composition.
155099	17-3-1982	Do.	A process for the preparation of acyloxymethyl derivative capable of being used as perfumery components from hydrocarbon by-product.
155244	18-11-1982	Do.	A process of making soap.
155758	10-9-1981	Do.	A high internal phase water-in-oil emulsion and a process for preparing the same.
156181	21-12-1982	Do.	A bleaching composition comprising a peroxide compound and a heavy metal compound.
156193	29-5-1982	Do.	A process for the preparation of alkali metal isothionates from ethionic acid.
156362	2-9-1983	Do.	Process for regenerating conventional spent adsorbent used for refining fatty material.
156363	11-8-1982	Do.	Manufacture of acyl isothionates.
156389	26-7-1982	Do.	A synergistic detergent composition.
156577	24-7-1982	Do.	A synergistic detergent compositions.
156578	24-7-1982	Do.	Detergent composition.
156579	26-7-1982	Do.	A process for preparing detergent active sulphosuccinate compounds.
156587	10-11-1982	Do.	An improved liquid abrasive cleaning composition.

1	2	3	4
157133	25-3-1983	Hindustan Lever Ltd.	An improved process for preparing superfatted soap bars having improved properties such as improved lather and reduced much properties from conventional raw materials and soap thereby obtained.
157134	25-3-1983	Do.	An improved method of subjecting a soap containing material to hardenig process to obtain hard soap bar and soap bars obtained thereby.
157135	25-3-1983	Do.	An improved process for processing soap feed stocks to provide soap bars having reduced grittiness and soap bars obtained thereby.
157136	25-3-1983	Do.	An improved method for preparing soap bars containing volatile material such as perfumes and soap bars obtained thereby.
157137	25-3-1983	Do.	An improved process for preparing soap bars having increased transparency and soap bars thereby obtained.
157143	5-5-1983	Do.	A process for the preparation of nickel upon transition alumina catalysts.
157274	25-3-1983	Do.	An improved process for preparing soap bars having modified phases and soap bars obtained thereby.
157420	9-3-1984	Do.	Improved peroxide adduct containing bleach compositions.
158153	19-7-1984	Do.	An improved method of manufacturing detergent bar having uniform properties.
158157	10-11-1983	Do.	A liquid detergent composition having high foaming characteristics.
158158	10-11-1983	Do.	A liquid detergent composition having high foaming characteristics.
158159	10-11-1983	Do.	A liquid detergent composition having high foaming characteristics.
158201	11-6-1984	Do.	An improved process for the preparation of carboxyalkyl derivatives of polygalactomannans.
158390	18-8-1983	Do.	A liquid scouring cleanser composition.
158631	10-11-1983	Do.	A liquid detergent composition having high foaming characteristics.
158632	10-11-1983	Do.	A liquid detergent composition having improved foaming characteristics.
158761	14-3-1985	Do.	Powder detergent compositions with modified sodium chloride.
158786	4-3-1985	Do.	An improved process for the manufacture of 3,4,5-trimethoxy-benzaldehyde.
154778	27-2-1981	The Dharamsi Morarji Chemical Co., Ltd., 317-21, Dr. Dadabhoy Naoroji Road, Bombay-400001, Maharashtra, India.	An improved process for manufacture of phospheric acid and gypsum from rock phosphate.
156588	12-11-1982	Nitto Boseki Co. Ltd., 1, Azo Higashi, Gonnome, Fukushima—shi, Fukushima —ken, Japan.	Process for preparing alloys resistant to corrosion and wear elevated temperatures.
157144	1-7-1983	Outokumpu OY, Toolankatu-4, 00100 Helsinki 10, Finlnad	Procedure for roasting soleniferous materia
148853	25-4-1980	Bangaru Venkata Rama Lakshi Narayana, 18-5-11, Bondadavari Street, Palokol-534260, West Godavari Dist, Andhra Pradesh.	An insect repellant candle and a method for manufacturing such candle.

1	2	3	4
151709	5-5-1982	Carborundum Universal Ltd., 28, Balaji Salai, Madras-600001, Tamil Nadu, India.	A method for manufacturing calcium-silicon alloy.
158232	27-8-1984	CPC International Inc., International Plaza P.O. Box 8000, Englewood Cliffs, New Jersey 07632, U.S.A.	Process for making hot water dispensible corn starch having high viscosity.
147264	9-3-1978	Kontiki Chemicals & Pharmaceuticals Pvt. Ltd. A.K. Office Buildings, Mill Road, Baliapatam, Kerala State, India	Process for the preparation of coir derivatives.
147307	8-1-1979	Do.	Process for preparing derivatives from coffee husks.
147418	9-3-1978	Do.	A process for preparing an improved adhesive substance.
147937	24-1-1979	Do.	Process for the production of cellulose.
154070	4-6-1982	Do.	Process for the production of heavy metal-ion adsorbent.
154863	20-1-1981	Do.	Improvements in or relating to aminoplastic synthetic resin adhesives.
158416	12-10-1984	Do.	Process for the preparation of a colouring matter from coconut shell.
149126	21-2-1980	The Indian Space Research Organisation, F-Block, Cauvery Bhavan Dist Office Road, Bangalore-560009, Karnataka.	An improved process for producing polyols.
149900	11-7-1980	Do.	A process for the production of polyhydroxyester resins.
153437	18-9-1981	Do.	A process for production of fire retardant rigid polyurethane foam

COMMERCIAL WORKING OF PATENTED INVENTIONS

ELECTRICAL—LIST NO. IV

The following patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by Patentee in the statements filed by them under Section 146(2) of Patents Act, 1970 in respect of calendar year 1987 generally on account of want of request for licences to work the patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Patent No.	Date of Patent	Name & Address of the Patentee	Title of the invention
1	2	3	4
148449	23-1-1979	Ahmedabad Textile Industry's Research, P.O., Polytechnic, Ahmedabad-380015, Gujarat.	Computer circuit to analyse humidity conditions in a hot air dryer to directly indicate deviation from optimum humidity and an instrument incorporating said circuit.
153252	3-7-1980	Duracell International Inc., Berkshire, Industrial Park, Bethel, Connecticut 06801, USA.	An improved non-aqueous electro chemical cell evincing reduced voltage delay.
153324	20-9-1980	Do.	Electrochemical cell resistant to cell abuse.
153325	20-9-1980	Do.	Improved nonaqueous electrochemical cell
153326	20-9-1980	Do.	Electrochemical cell resistant to cell abuse
157625	11-4-1984	Kabelschelepp GmbH Marienborner Str. 75, 5900 Siegen 1, West Germany.	An energy line transmission chain.

1	2	3	4
156755	22-3-1983	Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunoushi 2 Chome, Chiyoda-Ku, Tokyo 100, Japan.	A system for producing a signal when the phase relation between two composite signals derived from voltage and current detected from an electric power system satisfies a predetermined condition.
156946	12-4-1983	Do.	Distance relay.
153127	17-11-1980	Oronzio De Nora Impianti Elettrochimici S.P. A., Via Bistolfi 35, 20134 Milan, Italy.	A bipolar diaphragm or membrane electrolyser.
153129	17-11-1980	Do	Novel electrolyser having means for electrically connecting valve metal anode ribs and cathodically resistant metal cathode ribs.
154318	9-9-1980	Do	A method of preparing a novel electrolysis cell for generating hologes and a novel electrolysis cell made thereby.
154715	12-12-1980	Do.	A process for preparing a homogeneous phase of atleast two different metals.
149233	5-3-1979	Peico Electronics & Electricals Ltd., Shivasagar Estate, Block 'A', Dr. Annie Besant Road Worli, Bombay-400018.	An improved drive system for turning in frequencies in a radio
151324	25-4-1980	Do.	A circuit for automatically switching off power supply to a radio or television when the turned signal goes off the air or is interrupted and a radio or television having the same.
157131	15-2-1983	Riaz Abid Kagalwala, 95 Navrang, Paddar Road, Bombay-400026, Maharashtra, India.	A luminaire.
155216	4-8-1982	The Fujikura Cable Works Ltd , 5-1, 1-Chome, Kiba, Koto-Ku, Tokyo, Japan.	Power cable joint structure.
149716	2-8-1979	Brakes India Ltd., Padi, Madras-600050, Tamil Nadu, India.	An electric switch for direct current circuits.
154717	5-9-1981	(Dr.) Jose Thaikkattil, University Health Centre, Calicut University, P.O. 673635, Kerala State.	A holder for electric lamps.
148076	19-11-1979	Mandayam Ammanji Srishaila, No. 1, 9th Cross Road, Swimming pool Extension, Bangalore-560003, India	A device for concealed electrical wiring.

RENEWAL FEES PAID

140142 144729 144844 145278 145689 145896 145946
146011 146131 146762 146819 147067 147118 147238
147318 147319 147912 148194 148354 148390 148642
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151629 151749 151887 151901 152199 152315 152347
152432 152671 152756 152965 153065 153214 154007
154155 154203 154528 154530 154583 154681 155372
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CESSATION OF PATENTS

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147749 147750 147751 147752 147758 156727 156759
157760 157763.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patent Act, 1970 for the restoration of Patent No. 156727 granted to AE PLC for an invention relating to "pistons".

The patent ceased on the 11th August 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent to be notified in the Gazette of India, Part III, Section 2, dated the 1-4-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "NIZAM PALACE", 2nd M.S.O. Building. 5th, 6th and 7th Floor. 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 1-6-89 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given thet any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patent Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 164501

Int. Cl. : H 02 j 11/00.

ELECTRICAL DISTRIBUTION TRACK.

Applicant : MK ELECTRIC LIMITED, OF SHRUBBERY ROAD, EDMONTON, LONDON, ENGLAND.

Inventors : 1. NORMAN EDWARD BRUCE REYNOLDS, 2. LESLIE KING.

Application No. 1118/Cal/83 filed September 13, 1983.

Convention dated 18th September, 1982 and 10th May, 1983 (No. 82.26104 and 83.12813) both are Great Britain.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims

An electrical distribution track comprising a longitudinal hollow duct adapted to be mounted on a support surface or in a channel embedded in a support surface, the duct containing exposed electrical conductors therelong :

the duct comprising a base and a pair of longitudinally extending side walls having a continuous longitudinal opening therebetween to allos insertion into the duct of an electrical accessory at any point along the duct;

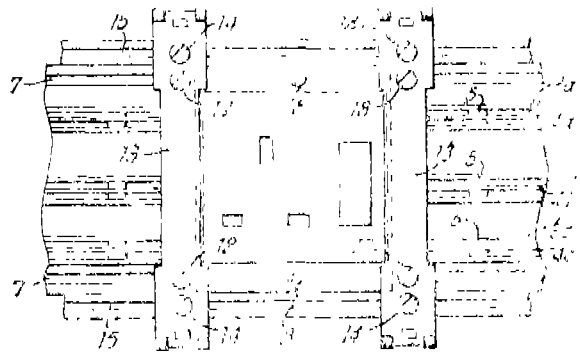
the side walls comprising outwardly facing edge capable of engaging flanges on opposite sides of an accessory positioned in the duct or of a mounting device capable of holding an accessory in the duct;

means for clamping an accessory of mounting device to the duct with said flanges abutting said edges;

and cover means adapted to be attached to the duct such that the parts of the opening not occupied by the accessory, the edges of the walls of the duct and the flanges of an accessory of mounting means therefor abutting said edges are covered by the cover means;

the cover means extending to the support surface outside the duct or the duct having outer walls extending from the support surface to the cover means so that the parts of the duct which are exposed when the

duct is mounted on a support surface or in a channel thereon are enclosed by the cover means or by the cover means and the outer walls.



Compl. specn. 29 pages. Drgs. 14 sheets

CLASS : 164502

Int. Cl. : C 01 b 33/00.

A METHOD FOR PREPARING HYDROPHOBIC MICROPOROUS AND CRYSTALLINE SILACEOUS MATERIALS OF REGULAR GEOMETRY.

Applicant : THE SCOPAS TECHNOLOGY COMPANY, INC., OF 60 EAST 42ND STREET NEW YORK, N. Y. 10165, U.S.A.

Inventors : 1. KENNETH S. DEFFEYES, 2. AARON A. ROSENBLATT.

Application No. 878/Cal/84 filed December 19, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A method for preparing a hydrophobic, microporous, crystalline silaceous material or regular geometry comprising :

(a) creating aluminium-deficient sites in the lattice of a natural or synthetic aluminous tectosilicate starting material by removing aluminum from said lattice, said sites being characterized by thet presence of about 4 associated -SiOH moieties;

(b) heating the aluminium-deficient tectosilicate to remove water of hydration;

(c) reacting the -Si -OH moieties with a derivatizing reagent whereby about 1-4 of said moieties per site are converted to a moiety of the formula -SiOR wherein R is a substituent which is a weaker point electric source than aluminum.

Compl. specn. 28 pages Drg. 1 sheet

CLASS : 155 A; 172-F. 164503

Int. Cl. : D 06 b 3/00.

IMPROVED DEVICE FOR APPLYING ADHESIVE TO TWISTLESS YARN E. G. OF JUTE FIBRE.

Applicant : INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, OF 17, TARATOLA ROAD, CALCUTTA-700088, WEST BENGAL, INDIA.

Inventor : 1. DR. TAPAN KUMAR GUHA ROY, 2. DR. SRINIVASACHARI RAMANUJACHARI RANGANATHAN.

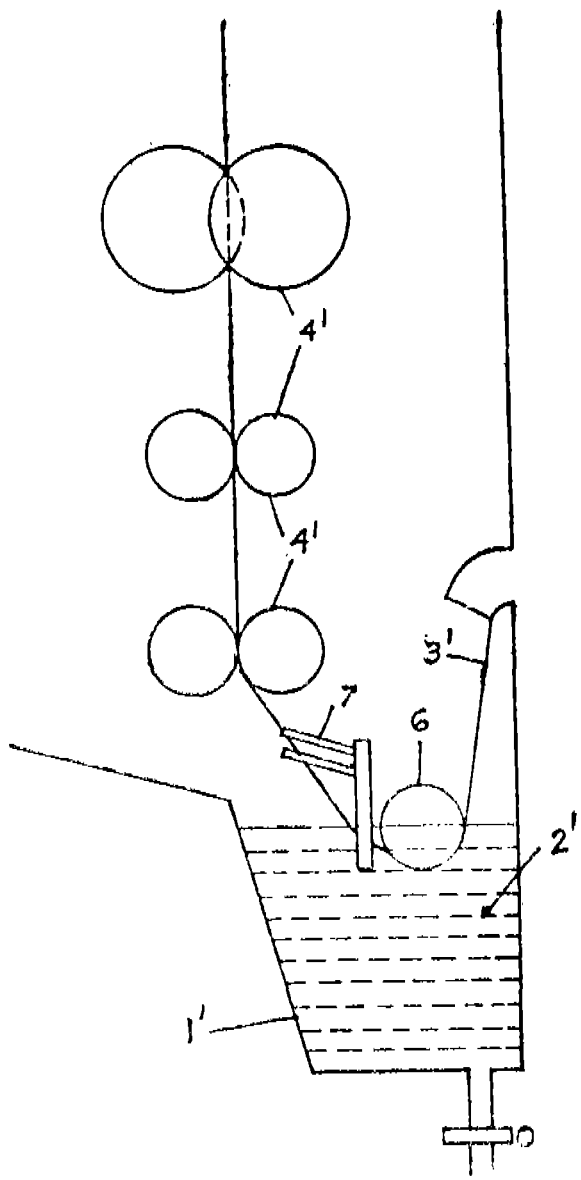
Application No. 449/Cal/85 filed June 14, 1985.

Complete Specification left on 12th September, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An improved device for applying adhesive to twistless yarn e.g. of jute fibre, comprising a container for the adhesive liquor, a guide roller disposed in the adhesive liquor and means for removing excess liquor from the sliver of the twistless yarn which is adapted to be guided around the said guide roller to pass through the adhsive liquor contained in the container, said means being disposed above the level of the adhesive liquor and ahead of the guide roller in the outward direct of the yarn, characterised in that half portion of said guide roller remains submerged in the adhesive liquor.



Prov. specn. 8 pages. Drg. 1 sheet

Compl. specn. 8 pages. Drg. Nil

Int. Cl. : C 02 f 5/00. 164504

A METHOD OF TREATING AN AQUEOUS MEDIUM TO PROTECT STRUCTURAL PARTS OF A SYSTEM EXPOSED TO SAID AQUEOUS MEDIUM.

Applicant : BETZ INTERNATIONAL, INC., OF BETZ LABORATORIES, INC., OF SOMERTON ROAD, TREVOSE, PENNSYLVANIA 19047, U. S. A.

Inventor : FU CHEN.

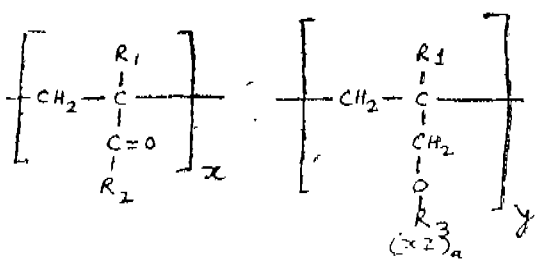
Application No. 514/Cal/85 field July 12, 1985.

Convention dated 2nd October, 1984 (No. 464527; Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of treating an aqueous medium to protect structural parts of a system, exposed to said aqueous medium from corrosion and/or scale formation, by inhibiting the deposition of calcium phosphate or phosphonate on the said structural parts, which comprises adding to said aqueous medium an effective amount for the purpose e.g. from 0.1–500 parts per million parts of the aqueous medium, of a water soluble polymer having repeat unit moieties (a) and (b) constituting monomers designated as x and y respectively in Formula I, shown in the accompanying drawings



wherein R_1 is H or lower alkyl (C_1 - C_4), R_2 is OH, OM, or NH^2, M is a water soluble cation, R_3 is a hydroxy substituted alkyl or alkylene radical having from 1 to about 6 carbon atoms or a non-substituted alkyl or alkylene radical having from 1 to about 6 carbon atoms, X is an anionic radical, Z is H or hydrogens or a water soluble cation or cations which together counterbalance the valence of X, and a is 0 or 1.

Compl. specn. 41 pages. Drgs. 3 sheets

Int. Cl. C 09 b 29/00. 164505

PROCESS FOR PREPARATION OF WATER-SOLUBLE PYRIDONE MONOAZO COMPOUNDS AS DYESTUFFS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

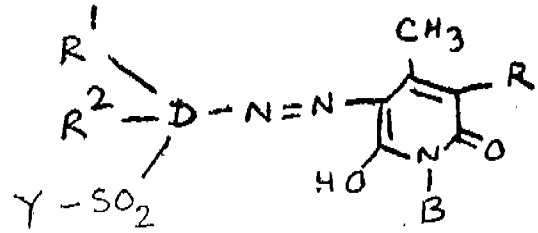
Inventor : MARCOS SEGAL.

Application No. 531 Cal/85 filed July 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A Process for preparing a water-soluble monazo compound of the formula (1) of the accompanying drawings in which



D is a benzene ring or a nephthalene ring or a radical of the formula (2) or (3)

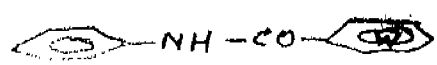
R^1 is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, a hydroxy or nitro group or a halogen atom, if D stands for a benzene ring, and

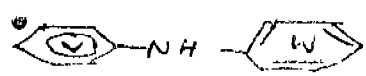
R^2 is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, a halogen atom, a carboxy group or a sulfo group, if D stands for a benzene ring, or

R^1 is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, a carboxy group, a halogen atom, a sulfo group or a group of the formula $-SO_2-Y$ (where Y has the meaning mentioned hereinafter), if D stands for a naphthalene ring, and

R^2 is a hydrogen atom or a sulfo group, if D is a naphthalene ring, or

R^1 is, if D is a radical of the formula (2), a hydrogen atom, a nitro group, a chlorine atom or an alkoxy group of 1 to 4 carbon atoms, R^1 being bonded to the benzene nucleus V, and





R^2 is, if D is a radical of the formula (2), a chlorine atom, a sulfo group or a nitro group or preferably a hydrogen atom, R^2 being bonded to the benzene nucleus W, or

R^1 is, if D is a radical of the formula (3), a hydrogen atom, a nitro group or a sulfo group, R^1 being bonded to the benzene nucleus V, and

R^2 is, if D is a radical of the formula (3), a chlorine atom or a sulfo group or preferably a hydrogen atom, R^2 being bonded to the benzene nucleus W;

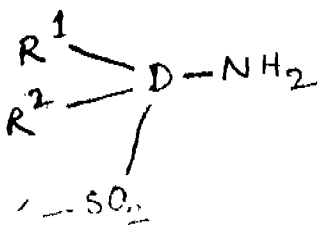
the group $-SO_2-Y$ in the formulae (2) and (3) is bonded to V or W, preferably to V;

Y is a vinyl group or an ethyl group which contains bonded in the β - position a substituent which is eliminatable an an anion under alkaline conditions;;

R is a hydrogen atom or a carbamoyl group;

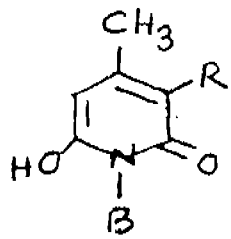
B is an alkyl group of 1 to 4 carbon atoms which is substituted by a sulfato group, a phosphito group, a carboxy group or a sulfo group;

M is a hydrogen atom or one equivalent of a monovalent, divalent or trivalent metal, in particular of an alkali metal or alkaline earth metal:



the moieties B, R^1, R^2 and R can have meanings which are identical to or different from one another which comprises coupling a diazonium compound of an amine of the formula (5)

in which D, R^1, R^2 and Y have the meainings mentioned above with a pyridone compound of the formula (6)



in which R and B have the meanings mentioned above.

Compl. specn. 34 pages. Drgs. 2 sheets

CLASS : 193. 164506

Int. Cl. : C 04 b 31/10; 35/00 to 35/56.

METHOD FOR PRODUCING SELF-SUPPORTING CERAMIC BODY.

Applicant : LANXIDE CORPORATION, TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19711, U. S. A.

Inventors : 1. MARC STEVENS NEWKIRK, 2. HARRY RICHARD ZWICKER.

Application No. 537/Cal 85 filed July 19, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

31 Claims

A method for producing a self-supporting ceramic body, said body being produced from an oxidation reaction between a molten parent metal and a vapor-phase oxidant, the method comprising :

(a) applying a layer od dopant material to at least a portion of a surface of a parent metal to provide thereon a dopant -carrying surface;

(b) heating said parent metal to a temperature above its melting point but below the melting point of its oxidation reaction product to form a body of molten parent metal, and at said temperature (i) reacting the molten parent metal by initially contacting said dopant-carrying surface thereof with said vapor--phase oxidant to form an oxidation reaction product and (ii) maintaining at least a portion of said oxidation reaction product in contact with and extending between said body of molten metal and said oxidant, to draw molten metal therethrough towards the oxidant such that fresh oxidation reaction product continues to form at an interface between the oxidant and previously formed oxidation reaction product; and

(c) continuing said reaction for a time sufficient to grow said oxidation reaction product through and beyond the applied layer of dopant material, thereby resulting in said ceramic body which consists essentially of (i) the oxidation reaction product of said parent metal with said vapor-phase oxidant and (ii) at least one non-oxidized constituent of the parent metal.

Compl. Specn. 50 pages Drg. 2 sheets

CLASS : 128-A, G & H 164507

Int. Cl. : A 61 b 17/42; A 61m 31/00.

AN INTRAVAGINAL POSITIONABLE DEVICE, FOR CONTRACEPTIVE USE.

Applicant : DR. WOLFGANG KNOGLEAR OF ORGENGASSE 27, A-1190 WIEN, AUSTRIA, AND EWALD PICKHARD OF REDTENBACHERGASSE 15, A-1160 WIEN, AUSTRIA.

Inventor : DR. WOLFGANG KNOGLER.

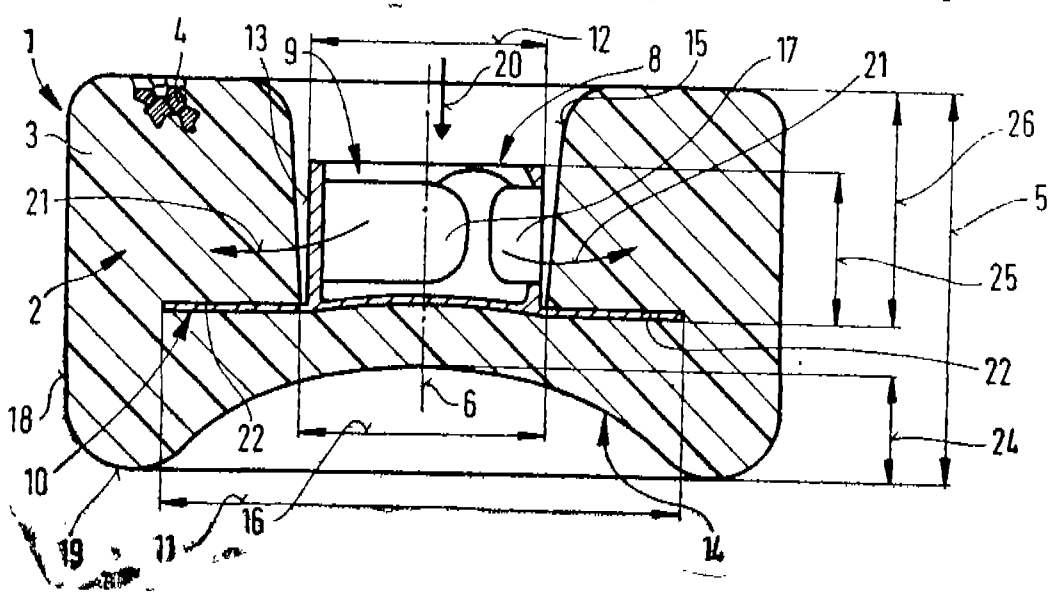
Application No. 799/Cal/85 filed November 07, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 claims

An intravaginally positionable device for contraceptive use comprising an elastic carrying member receiving a medication and formed from plastics material, which is provided with an entraining element (8) characterised in that the carrying member (2) comprises a substantially cylindrical block of expanded plastics (3) which provided with an opening (15) extending parallel and parallel and preferably centrally with respect to the cylinder axis (6), being a blind hole in particular, wherein the entraining element (8) is situated and joined to the carrying member (2) by means of an expanding operation in particular.

Compl. specn. 38 pages Drgs. 4 sheets



CLASS : 206-E. 164508

Int. Cl. : H 03 k 13/02.

EXTREMA CODING DIGITIZING SIGNAL PROCESSING APPARATUS.

Applicant : ARIE VISSER, OF 801 SOUTH PITT. ST. ALEXANDRIA, VIRGINIA 22314, U.S.A.

Inventor : ARIE VISSER.

Application No. 909/Cal/85 filed December 18, 1985.

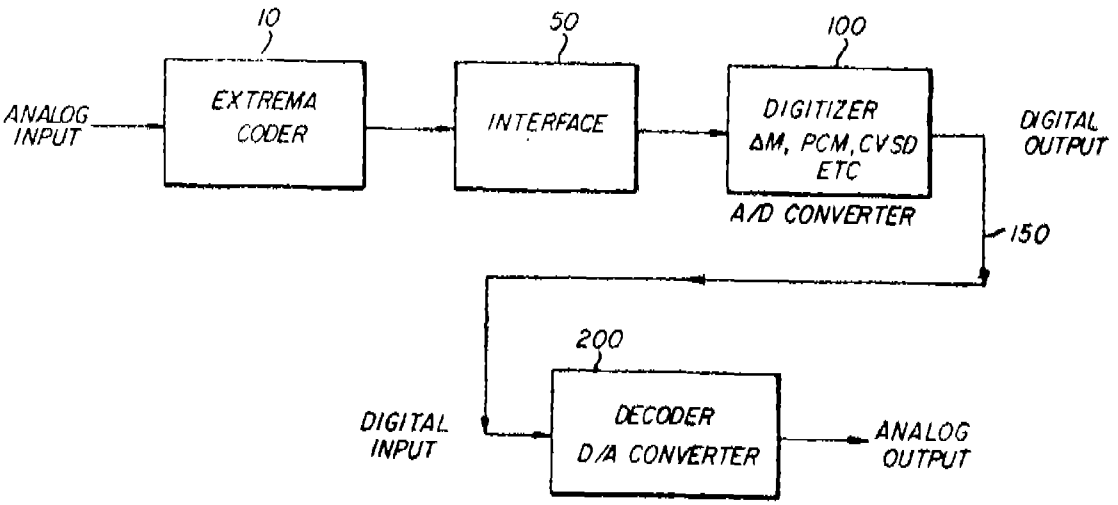
Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

26 claims

Apparatus for digitizing an analog waveform comprising : first means for encoding as an encoded signal only the times of occurrence of maximum and minimum values of the analog waveform, including the times of occurence of maximum and minimum values of broad-band substantially random noise superimposed on the analog waveform, said noise having a broadband spectrum having frequencies in a frequency range substantially higher than the highest frequency in said analog signal, said encoded signal comprising a binary signal having a series of transotions between two levels, said transitions representing said times of occurence;

second means coupled to said first means and having said encoded signal as an input, for providing a second signal wherein the bandwidth of said encoded signal is reduced; and

third means for converting said second signal into a digital signal and for transimitting said digital signal over a transmission channel to a receiver.



Compl. Specn. 37 pages. Drgs. 8 sheets

CLASS : 32-F, 152-F. 164509

Int. Cl. : C 08 f 7/00, 19/00.

ANTISTATIC COMPOSITION AND ARTICLES MADE THEREFROM.

Applicant : BATA LIMITED, OF 59, WYNFORD DRIVE, DON MILLS, ONTARIO, CANADA.

Inventors : 1. FRANCIS ALPHONSE GEISSEL, 2. WILLIAM WALTER ALEXANDER & 3. JOHN RYS-SIKORA.

Application No. 231/Cal/86 filed March 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 claims

A polymer blend composition for making antistatic article consisting essentially of, based on parts by weight of various ingredients as follows:

(a) PVC resin : 100 parts (b) Carboxylated nitrile polymer : 10-50 parts, preferably 30-40 parts; (c) non-ionic antistatic agent; 3-10 parts, preferably 5-8 parts; (d) metallic stabilizers : 1-10 parts preferably 2-5 parts; (e) epoxy plasticizer : 3-15 parts, preferably 5-10 parts, (f) primary phthalate or adipate plasticizer : 10-120 parts, preferably 20-90 parts (g) lubricant selected from the group consisting of stearic acid, zinc stearate, calcium stearate and low molecular weight polyethylene : 0.5-5.0 parts, preferably 0.5-2 parts and more preferably 1-2 parts, and, optionally, a metallic coupling agent : 0.2—0.5 parts.

Compl. specn. 17 pages. Drg. Nil

CLASS : 84. 164510

Int. Cl. : C 10 g 45/00.

PROCESS FOR HYDROGINING OF DIESEL FUEL.

Applicant & Inventors :

1. VIKTOR GRIEGRIEVICH SOLOVIEV, OF MOSKOVSKAYA OBLAST, LJUBERTSY, ULITSA 8 USSR.
2. ALEXEI YAKOVLEVICH BOTNIKOV, OF MOSCOW, SEMENOVSKAYA NABEREZHNAYA, 3, KORPUS 1, KV. 2, USSR;
3. MIRYAN IDIYATULLINOVICH AKHEMETSHIN, OF UFA, ULITSA KOLTSEVAYA, 36A, KV. 14, USSR;
4. GENNADY NIKOLAEVICH CHERNOVISOV, OF MOSCOW, ULITSA KAKHOVKA, 22, KORPUS 5, KV. 365, USSR;
5. VLADIMIR MIKHAILOVICH KURGANOV, OF MOSCOW, RYAZANSKY PROSPEKT, 9IK, KORPUS 1, KV. 315, USSR;
6. ANATOLY ZAKHAROVICH MIRKIN, OF MOSCOW, ULITSA SMOLNAYA, 31, KV. 107, USSR;
7. LEV NIKOLAEVICH OSIPOV, OF MOSCOW, ULITSA GARIBALDI, 21, KORPUS 3, KV. 52, USSR;
8. IGOR TIMOFEEVICH KOZLOV, OF DZERZHINSKY MOSKOVSKOI OBLAST 1, ULITSA DZERZHINSKOGO, 10, KV. 24, USSR;

9. VALDIS VOLDEMAROVICH USINSH, OF PODOLSK MOSKOVSKOI OBLASTI, ULITSA KURCHATVA, 15. KV. 8, USSR;

10. SVYATOSLAV GRIEGORIEVICH PROKOPJUK, OF UFA, ULITSA MIRA, 16. KV. 33, USSR;

11. ANATOLY EFIMOVICH DYACHENKO OF UFA, ULITSA MIRA, 38, KV. 21, USSR.

Application No. 372/Cal/86 filed May 16, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A process for hydrofining of diesel fuel comprising diesel fuel with a hydrogen-containing gas, heating the resulting mixture to a temperature within the range of form 300 to 425°C under the pressure ranging from 2.0 MPa to 6.0 MPa characterised in that passing the heated mixture through a stationary bed of a catalyst containing oxides of a metal of VIB and VIII Groups of the Periodic System supported on alumina in an ascending flow under film-disperes conditions of flowing which is effected at a value of the ratio between the hydrogen-containing gas to diesel fuel within the range of from 80 to 220 Nm^3/m^3 and at a value of density of spraying of the catalyst bed within the range of from 8 to 40 $m^3/(m^3 . h)$, cooling the resulting mixture for condensation of vapours of diesel fuel, separation of the mixture into the gas and liquid phases, purification of the gas phase and simultaneous removal of dissolved gases and low-boiling hydrocarbons from the liquid phase.

Compl. specn. 16 pages. Drg. Nil

CLASS : 128 F [XIX(2)]. 164511

Int. Cl. : A 61 m - 5/14, 37/00; A 61 j - 1/00.

IMPROVED CONTAINERS FOR LIQUIDS TO BE ADMINISTERED INTRAVENOUSLY TO PATIENTS.

Applicant : SHRI KRISHNAKESHAV LABORATORIES LTD., AMRAIWADI ROAD, AHMEDABAD-380 008, GUJARAT, INDIA.

Inventor : ARAVIND MEHTA.

Application No. 280/Bom/1985 filed on Oct. 10, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

9 Claims

An improved container for liquids such as aqueous saline or glucose to be administered intravenously to patients, made of thermoplastic material having a integral tab with a central hole, extending from the base of the bottle, for suspending the bottle from a hook and a flange surrounding and radially extending from the neck of the bottle, the mouth of the neck being fitted with a stapper secured in position by a metal cap fitted around the neck, characterised in that the said base being depressed inwardly to define a cavity in which there is provided a recess conforming to the dimensions of the tab such that the tab may engage into and disengage out from the said recess.

Compl. specn. 8 pages. Drg. 1 sheet.

CLASS : 2Ba [XLI(1)], 25A 164512

Int. Cl. : G 09 F - 7/02, 7/18.

A WORD-BUILDING TILE FOR USE AS A DISPLAY BOARD OR A PANEL.

Applicants : JEHANGIR CAWAS MODI, INDIRA CHANDULAL SHAH AND NIRMALA HARAKCHAND GALA, TRADING AS C. J. INDUSTRIES, HAMPTON COURT, NATHALAL PAREKH MARG, BOMBAY-400025 MAHARASHTRA, INDIA.

Application No. 321/Bom/1985 filed December 3, 1985. Patents Rules, 1972) Patent Office Branch, Bombay-13.

5 Claims

A word-building tile particularly for use as display board or panel comprising a square or a rectangular shaped tile having on its front face a plurality of holes or perforations arranged in spaced rows extending lengthwise and breadthwise of the same and its rear face formed with a plurality of spaced rows of dimples, the sides of the tile extending rearwardly at right angles to the said front face to form adjacent flanges, characterised in that one pair of said flanges are formed on their outer sides with dove-tail shaped ridges and the other pair of flanges are formed on their outer sides with correspondingly defined dove-tail shaped slots matching with the said ridges.

Compl. specn. 8 pages. Drg. 1 sheet.

CLASS : 172 E(XX) . 164513

Int. Cl. : B 65H-54/14, 54/70.

AN IMPROVED CHEESE WINDER HAVING A MODIFIED CAM-FOLLOWER-SLIDER-BRACKET HOUSING ASSEMBLY FOR TEXTILE PROCESSING MACHINE.

Applicant & Inventor : TARNPRAKASH PRABHAKAR VARTAK, 798 BHANDARKAR ROAD, PUNE-411 004, MAHARASHTRA, INDIA.

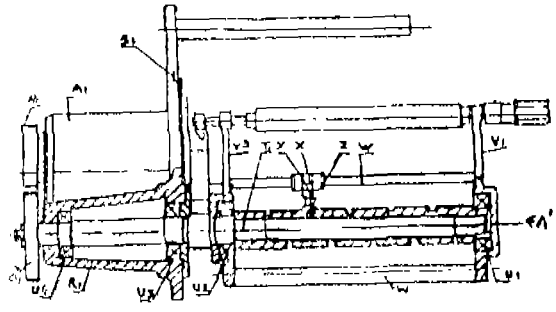
Application No. 46/Bom/1986 filed on Feb. 7, 1986.

Comp. after Prov. left on Sept. 10, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

An improved cheese winder having a modified cam follower slider-bracket housing assembly for textile processing machine comprising a bearing housing integrally formed with a base plate, a double helical groove cam shaft mounted on it with four spaced apart ball bearings, the said cam shaft rotating in the two ball bearings provided in the said bearing housing and the remaining two ball bearings being swivellably mounted with two spaced apart brackets, three spacer rods provided in between the said brackets, a modified slider, sliding over the two spacer rods and being provided with a through hole through which a drive sleeve is fitted such that it can be pushed upward through the said hole for removing the cam follower provided at the lower end of the said drive sleeve, with our removing the said brackets and spacer rods, a motor being fitted on the front face of the base plate for rotating the cam shaft through belt an pulleys or the like tranmission means.



Pov. specn. 5 pages. Drg. Nil.

Compl. specn. 10 pages. Drgs. 2 sheets

CLASS : 49 [XV(1)]: 49 D. 164514

Int. Cl. : B 02 C - 1/04, A 23 N - 15/08; A 47 J - 17/02.

GARLIC POD EXTRACTOR.

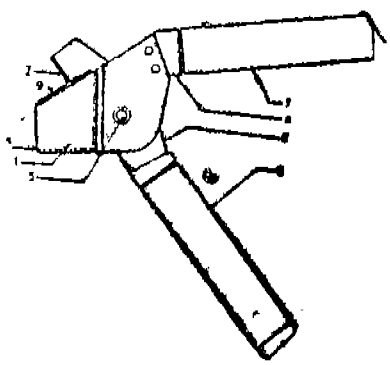
Applicant & Inventor : RATNAKAR GANESH PATWARDHAN, 82 SAMAJ BUILDING, NO. 5, MITTAL INDUSTRIAL ESTAE, MAROL, ATNDHERI KURLA ROAD, BOMBAY-400 059, MAHARASHTRA, INDIA.

Application No. 67/Bom 1986 filed February 19, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-13.

3 Claims

An apparatus for extracting pulp from garlic pods comprising a container and a crusher, both having handles and connected to each other by means of pivoting rivet, in such a way that when the said handles are pressed, the said crusher will move into the container, the said container being provided with a holding bracket having perforated base through which the garlic pulp can be pressed out.



Compl. specn. 5 pages. Drgs. 2 sheets

CLASS : 146 B. 164515

Int. Cl. : B 43 L - 13/00, 13/20.

DRAWING INSTRUMENT.

Applicant & Inventor : CHANDRA SHEKHAR BATHAM, 219 'C' INDRAPURI 'C' SECTOR, BHEL, BHOPAL-462 022, MADHYA PRADESH, INDIAN NATIONAL.

Application No. 74/Bom 1986 filed on 27th February, 1986.

Complete after provisional left on 25th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-13.

8 Claims

A drawing instrument having a transparent or semi-transparent flat body of rectangular shape having graduations in the units of measurement of length along the edge/s of the instrument characterised in that the said drawing instrument has inclined lines which makes predetermined angle with the edge/s of the instrument, and a graph formed by two sets of equidistant lines, one set of lines being parallel to the long edge/s of the instrument and other set being perpendicular to the same long edge/s of the instrument.

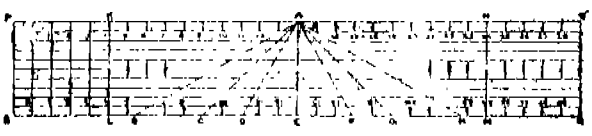


FIG. 1

Provisional Specification 16 pages Drgs. 5 sheets

Compl. specn. 28 pages Drgs. Nil

CLASS : 73 XXII (2). 164516

Int. Cl. : D 06 B - 3/00, 3/12.

AN IMPROVED CONSTANT PRESSURE CHAMBER ADAPTED TO BE INCORPORATED IN A PLANT FOR STEAM PROCESSING OF TEXTILE FABRICS.

Applicant : PRIMATEX MACHINERY PVT. LTD. AN INDIAN COMPANY, BEING A PRIVATE COMPANY WITHIN THE MEANING OF THE COMPANIES ACT, 1956, OF INDIA, HAVING ITS REGISTERED OFFICE AT DHANRAJ MAHAL, CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY 400 039 STATE OF MAHARASHTRA, INDIA.

Inventor : NITIN SHANTILAL MEHTA.

Application No. 116/Bom/86 filed Apr. 7, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

2 Claims

An improved constant pressure chamber adapted to be incorporated in a plant for steam processing of textile fabrics, characterised in that each side of said chamber perpendicular to the direction of motion of the fabric being provided with a trough, which is divided into two limbs, inner limb and outer limb, by the corresponding pendent side-wall of said chamber, the said limbs of each trough being connected at the bottom of the trough, each trough having a guide roller in its bottom and the troughs being filled mercury.

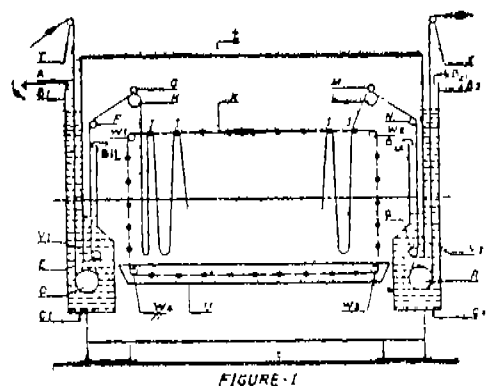


FIGURE-1

Compl. specn. 6 pages Drg. 1 sheet

CLASS : 83 B 3 XIV(5). 164517

Int. Cl. : A 23 L - 2/20.

PROCESS FOR PREPARING CONCENTRATED GREEN MANGO SQUASH.

Applicant & Inventor : MUKUND KANTILAL SHAH; AMRATLAL VAKIL'S KHADKI, OPP JAIN PATHSHALA, NARSINHJI'S POLE, BARODA-390001, GUJARAT, INDIA.

Application No. 132/Bom/1986 filed on 28th April, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office Branch, Bombay-13.

1 Claim

A process for preparing concentrated green mango squash where in the green mango is boiled in water, the pulp is squeezed out, mixed with sugar and salt and then heated till boiling, then cooled and powder cumin is added.

Compl. specn. 4 pages. Drg. Nil

CLASS : 160 B. 164518

Int. Cl. : B 60 D - 1/00.

A TRAILER ATTACHED TO TWO-WHEELED POWER DRIVEN VEHICLE.

Applicant & Inventor : RAYAPROLU KITTAPPA, C/O MR. R. K. SARMA, 1-6, DATTAGURU HOUSING SOCIETY, DEONAR, BOMBAY-400088, MAHARASHTRA, INDIA.

Application No. 218/Bom/1986 filed on August 7, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A trailer attached to two-wheeled power driven vehicle comprising a known type of trailer, a mechanism for attaching the said trailer to a known type of two-wheeled power driven vehicle, the said mechanism consisting of a connecting piece rigidly fixed to the trailer body/chassis, a horizontal pin passing through a horizontal pipe and fixed to the said connecting piece, said horizontal pipe rigidly connected to a vertical pin, the said vertical pin passing through a hollow portion extending vertically at the rear middle portion of a frame, the said frame is of U shape rectangular or the like shape open at the front end, the front open ends of the said frame are provided with rotatable pins which are rigidly connected to the vehicle body.

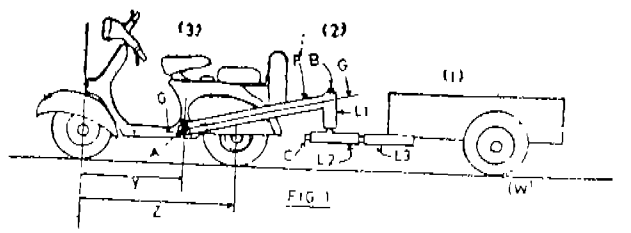


FIG 1

Compl. speen. 4 pages Drg. 1 sheet

CLASS : 63 I [LVII(1)], 68 C [LVII(3)]. 164519

Int. Cl. : H02k - 35/00.

AN ELECTRICITY GENERATOR.

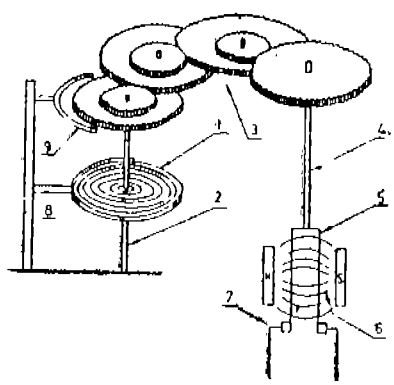
Applicants & Inventors : (1) AMRIK SINGH AND (2) MUKESH KUMAR JAIN.

Application No. 277/Bom/1987 filed Sept. 2, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

An electricity generator comprising a pair of axles connected to a set of gears having positive gear ratios; one of the said axles provided with winding of a helically coiled spring and the free end of the other axle provided with a conductor adapted to rotate through a magnetic field, when the said set of gears is made to rotate with the help of said coiled spring; thereby generating electricity in the current carrying conductor.



Compl. spécn. 6 pages. Drg. 1 sheet

CLASS : 24A+E Gr. [I.V]. 164520

Int. Cl. : B 06 T - 7/04, 7/08.

A WIRE AND ROD BRAKE COMBINATION SYSTEM FOR TWO WHEELER MOTOR VEHICLE AND THE VEHICLE COMPRISING THE SAME.

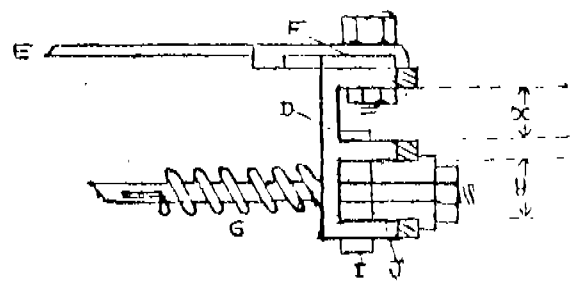
Applicant & Inventor : KRISHNAKUMAR RAMESHWAR TRIVEDI OF RAMESHWAR MOTORCYCLE WORK-SHOP, OPP. PATWARDHAN HIGH SCHOOL, SITABU-LDI, NAGPUR-440 012, MAHARASHTRA, INDIA. INDIAN NATIONAL.

Application No. 133 Bom 1988 filed on May 17, 1988.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office Branch, Bombay-13.

4 Claims

A wire and rod brake combination system comprising of a modified brake shoe cam lever having a horrizontal wall, fitted at one end of a cam operating the brake shoe inside the brake drum and a vertical wall, at the other end, provided with two notches, one above the other one of the said notches being provided with a wire adjuster for adjustably fixing to it one end of the brake wire the other end of which is connected to a hand lever through another wire adjuster provided on the said hand lever, the other of the said notches accommodating one end of a brake rod through a sliding sleeve and a rod adjuster, a spring being provided on the said brake rod for pressing and preventing rotation of the said sleeve, the other end of the said brake rod being connected to a foot lever the said foot lever being provided with a return spring and a paddle in a known manner arrangement being such that when the said brake wire is pulled to apply the brake the said brake rod remains idle and when the said brake rod is pulled a sag is formed in the said brake wire.



Compl. speen. 9 ages. Drgs. 4 sheets.

CLASS : 32E. 164521

Int. Cl. : C 01 b 31/02.

AN IMPROVED PROCESS FOR THE PRODUCTION OF GLASSY CARBON.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIAN AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : GOPAL BHATTA AND RAJENDRA KUMAR AGGARWAL.

Application for Patent No. 271/Del/85 filed on 29th March, 1985.

Complpete specification left on 3rd March, 1986

12 Claims

An improved process for the production of glassy carbon comprising preparing a phenol formaldehyde resin by reacting formaldehyde with phenol using ammonia as catalyst, densification of the resin in the presence of p-toluene sulphonic acid, a hardening catalyst, and under partial vacuum, semicuring the resin into a solid which is crushed and ground into a powder, sieving the powder to a suitable size, hot pressing the sieved powder into a dpesired shape, curing the shape product and then carbonizing by known methods.

Compl. speen. 9 pages.

Provisional Specification 6 pages.

CLASS : 164522

Int. Cl.[4] : F23D 14/58.

GAS BURNER.

Applicant : ASARCO INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, OF 180 MAIDEN LANE, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : VICTOR LITTLE & CHARLES LAWRENCE THOMAS.

Application for Patent No. 466/Del/85 filed on 11th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A gas burner for melting and like furnaces comprising a mixing chamber for uniting a stream of oxygen containing gas and a stream of fuel, a flame holder connected to said mixing chamber for igniting the mixture of fuel and oxygen and a combustion chamber mounted against said flame holder to retain the combustion and to enhance combustion, the combustion chamber being formed by a refractory burner tile and being of substantially cylindrical shape wherein the ratio of the diameter of the combustion chamber to the exit diameter of the flame holder is between 1.35 to 1.70 and the ratio of the effective length of the combustion chamber to the diameter of the combustion chamber is between about 1.2 to 3.7 whereby the burner has about 2 1/2 : 1 turndown capacity while maintaining a stable flame with even and complete combustion over this range.

Compl. speen. 17 pages. Drg. 1 sheet.

CLASS : 164523

Int. Cl.[4] : F04B 19/00, 21 00.

FLUID MACHINE FOR USE AS PUMP FOR WATER OR OTHER LIQUIDS.

Applicant : FAIRBAIRN INTERATIONAL PTY. LTD., A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF VICTORIA, OF 104 GLENISLA DRIVE, MOUNT MARTHA, IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

Inventor : GEORGE ANTHONY FAIBAIRN.

Application for Patent No. 850/Del/85 filed on 14th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A fluid machine for use as pump for water or other liquids comprising :

a casing having working chamber therein:

first and second rotors mounted in the chamber for rotation about respective parallel axes;

means for synchronising rotation of the two rotor;

an inlet for directing fluid into the working chamber, and

an outlet for discharging fluid from the working chamber,

characterised in that the first rotor having a surface of rotation with two projections extending radially outwardly of said surface and disposed 180° apart around the periphery of the rotor, and the second rotor having a surface of rotation with two recesses disposed 180° apart around the periphery, of the rotor;

each said projection engaging within a respective one of the recesses during rotation of the two rotors with the projection and corresponding recesses having complementary profiles to avoid trapping of fluid within the recess by the projection:

the surfaces of rotation of the first and second rotors cooperating over a substantial arc of rotation of the two rotors to define a fluid barrier therebetween;

the inlet acting to direct fluid into the zone of the working chamber laying between the surfaces of rotation of the first and second rotors at one side of the fluid barrier and the surface of the working chamber;

said inlet directing said fluid generally in a direction such that the fluid moves around the surface of the first rotor away from the fluid barrier;

the outlet being positioned to receive fluid from the zone defined between the surface of rotation of the rotors at the other side of the fluid barrier and the surface of working chamber;

said outlet being oriented to face the direction in which the fluid moves around the surface of the first rotor in the adjacent zone of the workinzg chamber; and

pressure-equalising passages extending through the rotors from one axial side to the other.

Compl. speen. 12 pages. Drg. 1 sheet.

CLASS : 164524

Int. Cl.[4] : H01H 79/00.

ARRESTER DEVICE FOR PROTECTING A CIRCUIT AGAINST OVERVOLTAGE.

Applicant : COMPAGNIE INDUSTRIELLE DE TUBES ET LAMPES ELECTRIQUES CITEL, A JOINT STOCK COMPANY CONSTITUTED UNDER THE FRENCH LAW, OF 8, AVENUE JEEN-JAURES, 92130 ISSY-LES-MOUNEAUX, FRANCE.

Inventor : FRANCOIS GUICHARD.

Application for Patent No. 896 Del/85 filed on 28th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

An arrester device for protecting a circuit against overvoltage, said device comprising an outer metal casing defining an enclosure containing an inert gas and constituting a first electrode; at least one metal rod extending into the

casing and forming another electrode; insulating sealing means between the rod and the casing to close the casing and means for short-circuiting the electrodes when the quantity of energy to be discharged by the arrester exceeds a predetermined threshold; wherein said short-circuiting means comprise at least one fusible member made of an electrically conductive material, and means for receiving the liquid so that it forms a layer creating electrical contact between the metal rod and the casing; characterized in that said receiving means of the fusible member is positioned outside the casing and externally connected thereto and the fusible member is also outside the casing.

Compl. specn. 15 pages. Drg. 1 sheet.

CLASS : 164525

Int. Cl.[4] : F24J 3/00.

A METHOD OF MANUFACTURING A SERIES ARRAY OF CELLS.

Applicant : MOBIL SOLAR ENERGY CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE AND HAVING A PRINCIPAL PLACE OF BUSINESS AT 16 HICKORY DRIVE, WALTHAM, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : JOHN GEORGE WILLIS.

Application for Patent No. 962/Del/85 filed on 18th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A method of manufacturing a series array of cells having a plurality of photovoltaic solar cells each having a top electrode and a bottom electrode, said mathod involving the use of first and second mutually spaced, paralle, continuous electrically conductive bus strips, wherein each of said bus strips is electrically conductive along its entire length, said method comprising the steps of :

(a) weaving said first and second paralle, mutually spaced bus trips over and under the top and bottom electrodes respectively of a plurality of said solar cells as said solar cells are advanced in series along a predetermined path, so that each solar cell has its top electrode engaged by one of said bus strips and its bottom electrode engaged by the other of said bus strips, and

(b) securely attaching said first and second bus strips to the adjacent engaged electrodes of said solar cells, and

alternately severing said first and second bus strips between adjacent solar cells so as to create a first section of said first bus strip extending from the bottom electrode of one solar cell to the top electrode of a first adjacent solar cell and a first section of said second bus strip extending from the top electrode of said one solar cell to the bottom electrode of a second adjacent solar cell.

Compl. specn. 27 pages. Drgs. 4 sheets.

CLASS : 164526

Int. Cl.[4] : C11D 1/02; 3/26.

AN ANTISTATIC BUILT PARTICULATE DETERGENT COMPOSITION AND PROCESS FOR MANUFACTURING THE SAME.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor : GARY MICHAEL FREEMAN.

Application for Patent No. 996/Del/85 filed on 26th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

A antistatic build particulate detergent composition comprising 5 to 30% of a synthetic organic detergent, 5 to 40% of a polyacetal carboxylate builder for such detergent or of a mixture of said polyacetal carboxylate builder and zeolite builder, and 2 to 20% of N-higher aliphatic isostearamide

Compl. specn. 40 pages.

CLASS : 164527

Int. Cl.[4] : H02K 41/02.

A VEHICLE FOR USE ALONG A PATH FITTED WITH LINEAR INDUCTION MOTORS.

Applicant : URBAN TRANSPORTATION DEVELOPMENT CORPORATION LTD., A CORPORATION ORGANISED UNDER THE LAWS OF THE CANADA OF 2 ST. CLAIR AVENUE WEST, TORONTO, ONTARIO, CANADA M4V 1L7.

Inventor : JOHN BALLANTYNE.

Application for Patent No. 1080/Del/85 filed on 18th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A vehicle for use along a path fitted with a linear induction motor comprising a primary member for generation of a moving magnetic field, a secondary member to propel the vehicle along the path by the moving magnetic field and the vehicle having an anboard electrical system including lights, fans or other electrical apparatus, the secondary comprising a reaction winding in which current is induced by the moving magnetic field for generation of thrust;

and having conversion means connected to the winding to convert current induced in the winding to electrical power for operation of the on-board electrical system whereby slip power in the secondary can be converted into electrical power for operation or the on-board electrical system;

and a slip power recovery unit for controlling the recovery of the slip power, said slip power recovery unit including a rectifier, a load resistor, storage means for storing rectified current, and means enabling the output of the rectifier to be connected selectively to one or more of the load resistor, the storage means and the on-board electrical system.

Compl. specn. 17 pages. Drgs. 4 sheets.

CLASS : 164528

Int. Cl.[4] : F24J 3/06.

APPARATUS FOR REPLENISHING A MELT IN A CRUCIBLE.

Applicant : MOBIL SOLAR ENERGY CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 16 HICKORY DRIVE, WALTHAM, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors : SINK NISHOLAS CHRISTOPHER AND ROGERS MYER.

Application for Patent No. 105/Del/86 filed on 4th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

Apparatus for replenishing a melt in a crucible comprising :

(a) a hollow housing having a top end and a bottom end, said top end being open;

(b) support means within said housing for supporting source material which is to be added to the melt, said support means being capable for vertical movement within said hollow housing;

(c) means for delivering a predetermined charge of source material from the region outside said hollow housing to said support means within said hollow housing by spring means and retracting means;

(b) spring means connected to said support means for urging said support means toward said open top end;

(e) stop means connected to said housing for preventing said support means from passing out said top end; and

(f) retractor means connected to said housing for (i) retracting said support means downward within said housing against the force of said spring means to enable said support means to reach a predetermined release point, and (ii) when said release point is reached, automatically releasing said support means, whereby the force of said spring means will drive said support means upward within said housing until said support means encounters said stop means, whereupon said support means will abruptly stop and source material supported on said support means will be thrown upward out of said housing for delivery into said melt.

Compl. speen. 29 pages. Drgs. 7 sheets.

CLASS : 164529

Int. Cl[4] : C10B 9/00, 15 02, 17/00.

AN IMPROVED BATTERY OF BEEHIVE COKE OVENS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KUNDA SINGH AND MUTHUDI VARIKOTIL PRABHAKARA MENON.

Application for Patent No. 293/Del/86 filed on 31st March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

An improved battery of beehive coke ovens located side by side, each oven comprising :

a rectangular coking chamber with an arched roof in which the coal is heated;

the said chamber being provided with removable doors at its two ends;

openings being provided in the arched roof for charging of coal;

sole flues being provided at the bottom of the said chamber for heating the coal from bottom characterised in that the said coking chamber is provided with inlet port(s) near both the ends of the oven close to the doors for admission of pre-heated air for combustion of the volatiles evolved during carbonisation of the coal provided in the arched roof near both the ends of the oven close to the doors;

the said coking chamber is also provided with centrally located offtake port(s) for evacuation of the partly combusted gases from the coking chamber the said off take port(s) is/are joined to horizontal flue(s) above the arched roof which is/are in turn connected by down comers to the sole flues;

the outlets of the said flues being in turn connected to the waste gase channel(s) of a recuperator leading to a chimeny;

the air for preheating is passed through the inlet of the inlet of the recuperator counter currently to the flow of waste gases to absorb the heat;

the outlet for the pre-heated air from the recuperator is connected by ducts to the inlet ports for admission of pre-heated air into the coking chamber as well as to the sole flues of each oven.

Compl speen 15 pages. Drgs. 5 sheets.

CLASS : 164530

Int Cl[4] : C07C 119/042.

"PROCESS FOR PRODUCING ALKYL ISOCYANATE."

Applicant : FMC CORPORATION, A CORPORATION ORGANISED UDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, HAVING A PLACE OF BUSINESS A 2000 MARKET STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATE OF AMERICA.

Inventor : WILLIAM BEVERLY DODGE AND MARC HALFON.

Application for Patent No. 541/Del/86 filed on 19th June, 1986. Divisional to Application No. 792/Del/84 filed on 10th October, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for making an alkyl isocyanate which comprises (1) first heating urea with a stoichiometric excess of alkali metal carbonate in the temperature range 130°-180°C in a solvent which selestively dissolves the urea but not the alkali metal carbonate and is selected from the group consisting of 1, 2-dichlorobenzene, benzonitrile, 2-phenylbutane and mesitylene, characterised by (2) reacting the alkali metal cyanate produced thereby, without recovery or purification in-situ with a dialkylsulfate, thereby yielding the desired alkyl isocyanate.

Compl. speen. 7 pages.

CLASS : 33-H; 108-C_3 & 5 164531

Int. Cl. : C 21 d 5/06, 5/14.

PROCESS FOR THE PRODUCTION OF CAST IRON WITH VERMICULAR GRAPHITE.

Applicant : GEORG FISCHER AKTIENGESELLSCHAFT, CH-8201 SCHAFFHAUSEN, SWITZERLAND.

Inventors : 1. WERNER MENK, 2. URS BRANDENBERGER.

Application No. 212/Cal/85 filed March 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for the production of cast iron with an intermediate structure of vermicular graphite having a magnesium/sulphur ratio in the range 2:1 to 1:1, comprising the steps of providing a starting melt of cast iron suitable for forming an intermediate structure of spheroidal or spherulitic graphite, and altering the magnesium/sulphur ratio in the starting melt by the addition of sulphur—containing material in an amount sufficient to convert at least part of the spheroidal graphite into vermicular graphite for.

Compl. specn. 11 pages. Drg. Nil.

CLASS : 9-A, B & E. 164532

Int. Cl. : C 22 c 31/04.

A PROCESS OF MAKING COMPOSITE MATERIAL REINFORCED WITH ALUMINA-SILICA FIBERS INCLUDING MULLITE CRYSTALLINE FORM.

Applicants : 1. TOYOTA JIDOSHA KABUSHIKI KAISHA OF 1, TOYOTACHO, TOYOTA-SHI AICHI-KEN, JAPAN 2. ISOLITE BABCOCK REFRACTORIES CO., LTD., OF 7, AZA-MUKAIYAMA OAZA-HAGI, OTOWA-CHO, HOI-GUN, AICHI-KEN, JAPAN.

Inventors: 1. TADASHI DOHNOMOTO, 2. MASAHIRO KUBO, 3. HARUO KITO.

Application No. 359/Cal/85 filed May 09, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process of making composite material, comprising :

(a) making reinforcing alumina-silica fiber material with principal components being 35% by weight of SiO_2 35% to 65% by weight of Al_2O_3, and a content of other substances of less than or equal to 10% by weight, characterised with at least 15% by weight of the alumina silica fiber material made by the blowing method of the spinning method is present in the mullite crystalline form and with the weight percentage of included non fibrous particles with diameters greater than of equal to 150 microns being not more than 5% as hereinbefore described and casting by a standard process;

(b) a matrix metal selected from the group consisting of aluminum, magnesium, copper, zinc, lead, tin, and alloys having these as principal components; wherein;

(c) the volume proportion of said alumina-silica fibres is at least 0.5% of the total composite material.

Compl. specn. 42 pages. Drgs. 11 sheets

CLASS : 206-E. 164533

Int. Cl. : H 03 k 13/02.

MULTIPURPOSE TWO-WAY COMMUNICATION DEVICE SUCH AS DIGITAL INTEGRATED CIRCUIT DEVICES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURG, PENNSYLVANIA 15222, U.S.A.

Inventor : WILLIAM ROBERT VERBANETS, JR.

Application No. 458/Cal/85 filed June 21, 1985.

Complete Specification left on 21st June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

31 Claims

A multi-purpose two-way communication device connected to a communication network line for receiving digital signal messages from and transmitting digital signal messages to said network, said device being operable in a first mode in which said device includes means for receiving and decoding a digital signal message and means responsive to the decoded the message for exeduting a control function responsive to an instruction contained in the decoded message, said device also being operable in a second expanded service mode which includes means responsive to a different decoded message for establishing an interface to a microcomputer so that messages appearing on said network may be supplied to said interfaced microcomputer through said device.

Compl. specn. 110 pages. Drgs. 30 sheets

CLASS : 119-F_3 164534

Int. Cl. : D 03 d 47/00, 47/04.

DEVICE FOR DRIVING THE GRIPPER BEARING BE ITS OR RODS IN TEXTILE LOOMS.

Applicant : MANIFATTURA CINCLA S.R.L. OF VIA SISMONDI 62, 20133 MILAN, ITALY.

Inventors : FORNASARI RENZO.

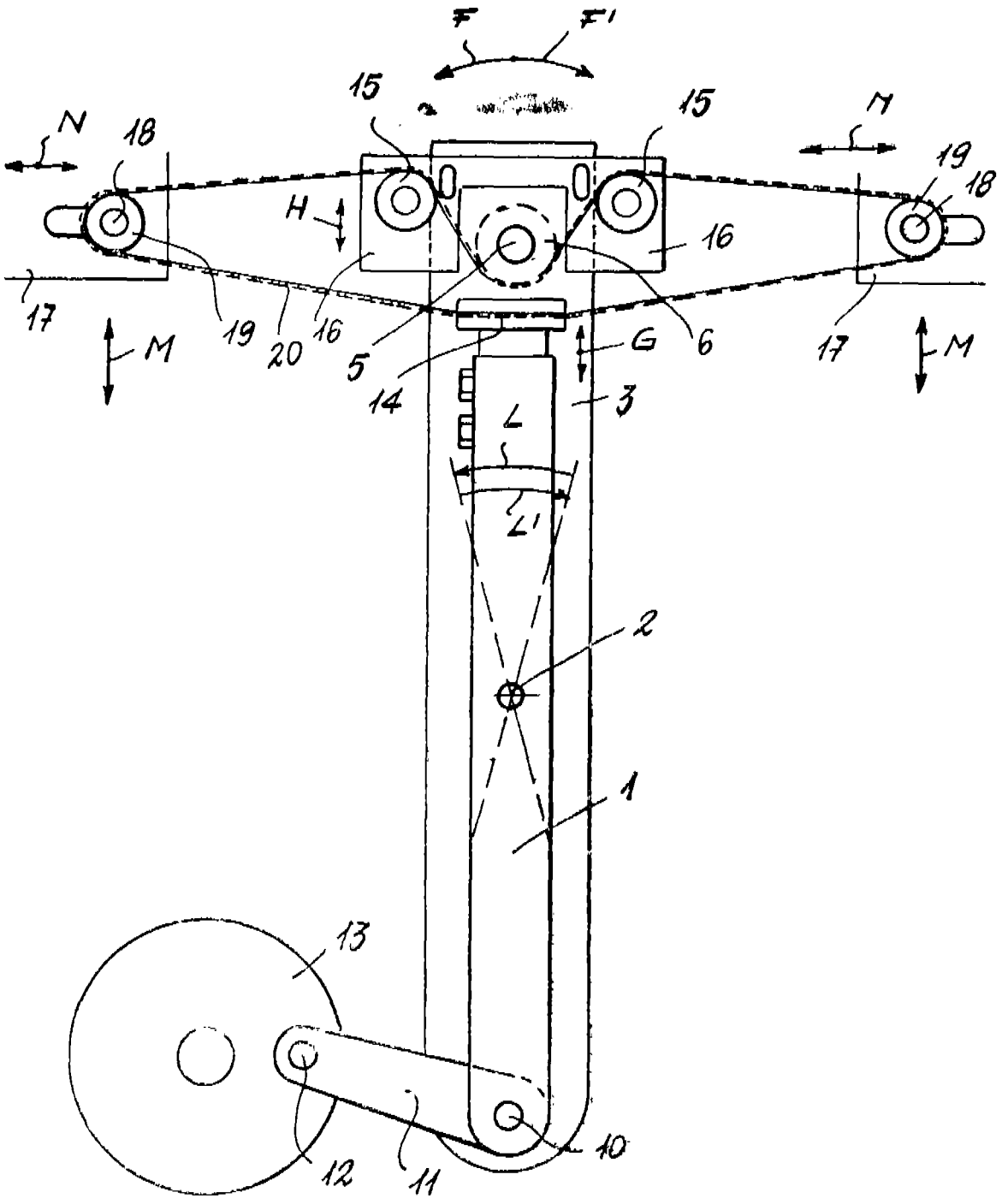
Application No. 738/Cal/85 filed October 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A device for driving the gripper bearing belts or rods in sley looms, characterized in that it comprises, as associated with the sley (3), a toothed belt system (20) or the like driving means, consisting of a toothed pulley (6) to be engaged by said belt or the like driving means, a first transmission idle pulley pair (15) supported by said sley (3) at opposite positions to said pulley (6), a second transmission pulley pair (19) idly mounted on the loom shoulders (17) and a

toothed belt (20) or the like transmission means, engaging said toothed pulley and extending from said first and second transmission pulley pairs, said toothed pulley being associated with an angled transmission means 7 and notched bar (8).



Compl. specn. 6 pages. Drg. 2 sheets

CLASS : 32-F$_3$(a), 189 164535

Int. Cl. : C 07 c 69/00, 69/52.

PROCESS FOR FORMING A FATTY ACID DIESTER.

Applicant : REVLON, INC., LOCATED AT 767 FIFTH AVENUE, CITY AND STATE OF NEW YORK, U.S.A.

Inventor : JOSEPH PETER CIAUDELLI.

Application No. 813/Cal/85 filed November 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for forming a fatty acid diester of the formula $CH_3 (CH_2)_5 CH(OCOR_1) (CH_2)_{10}COOR_2$ wherein,

R_1 is a hydrocarbon radical having 17 carbon atoms with 1 to 3 double bonds therein; and

R_2 is a hydrocarbon radical having 5 to 22 carbon atoms,

which comprises esterifying under known esterification conditioins hydroxystearic acid or ester thereof at least once, with an unsaturated fatty acid containing 1—3 double bonds, till complete esterificatioin is effected and the diester is produced.

Compl. specn. 13 pages. Drg. Nil

CLASS 32-C. 164536

Int. Cl. : C 12 f 1/00.

A PROCESS FOR THE PRODUCTION OF ETHANOL BY CONTINUOUS FERMENTATION.

Applicant : NOBEL CHEMATUR AB, OF BOX 430, S-691 27 KARLSKOGA, SWEDEN.

Inventors : JURGEN GRANSTEDT.

Application No. 841/Cal/85 filed November 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the production of ethanol by continuous fermentation in the presence of yeast of a carbon hydrate containing substrate in a fermentor (4), wherein a stream of fermentation liquor (6) is continuously withdrawn from the fermentor, said stream of fermentation liquor after an optional step of removal of coarse solid particles in a straining step (12) into a yeast enriched stream (13), which is recirculated to the fermentor, and an essentially yeast-free stream (14), which in a primary distillation step (9) is divided into a top stream (15) enriched in ethanol and a remaining liquid bottom stream (16), at least a part (19, 20) of which is recirculated to the fermentor and/or to a substrate treating step (2) which proceeds the fermentor, and the possibly remaining part (17) of the bottom stream (16) is divided in a secondary distillation step (10) in an ethanol containing vapour stream (28) and an ethanol impoverished stillage stream (27) characterised in that at least a part of one of said streams (14 and 16) which are respectively fed into and discharged from the primary distillation step (9) being further divided in a further step of centrifugal separation (22, 22a) to thereby provide a stream (24, 24a) impoverished in fine particles and a sluge stream (23, 23a) enriched in fine particales and that said sluge stream is rejected from circulation circuit comprising the primary distillation step (9) and the fermentor (4).

Compl specn. 13 pages. Drgs. 2 sheets

CLASS : 164537

Int. Cl. : C 01 b 21/26, 21/26; C 01 c 1/00.

A CHEMICAL SYNTHESIS PROCESS FOR CONTINUOUS SIMULTANEOUS PRODUCTION OF AMMONIA AND NITRIC ACID.

Applicant : FOSTER WHEELER ENERGY CORPORATION, OF 110 SOUTH ORANGE AVENUE, LIVINGSTON, NEW JERSEY, U. S. A.

Inventors : 1. JAMES PAUL VAN HOOK, 2. DAVID HAROLD DIETZ.

Application No. 844/Cal/85 filed November 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Parent Office, Calcutta.

8 Claims

A chemical synthesis process for continuous simultaneous production of ammonia and nitric acid comprising :

(a) steam reforming hydrocarbons or gasifying carbonaceous fuels;

(b) converting the product of said steam reforming of hydrocarbons or said gasifying of carbonaceous fuels to an ammonia synthesis gas;;

(c) converting said ammonia synthesis gas to ammonia;

(d) supplying the heat required for said steam reforming of hydrocarbons or said gasifying of carbonaceous fuels by a heat transfer fluid;

(e) heating said heat transfer fluid in a solar receiver when solar energy is available;

(f) heating said heat transfer fluid by combusting a portion of said ammonia when sufficient solar energy is not available to supply the necessary heat to said heat transfer fluid wherein the product of said combusting of said ammonia nitric oxides are combined with air to produce nitric acid.

Compl. specn. 18 pages. Drgs. 4 sheets

CLASS : 128-K. 164538

Int. Cl. : A 61 l 17/00.

A PROCESS OF MASS MANUFACTURE OF SUTURE NEEDLE.

Applicant : YASUO NAKAMURA, C/O. NAKAMURA CO., LTD., 3-3 NIHONBASHI HONCHO, CHUO-KU, TOKYO, JAPAN.

Inventors : 1. YASUO NAKAMURA, 2. TSUTOMU KAWADA.

Application No. 137/Cal/86 filed February 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972)Patent Office, Calcutta.

3 Claims

A process of mass manufacture of suture needle comprising an extended metal member having increased resilience and then suture needle body, the said steps including :

(a) forming by compression a U-shaped extended metal plate to increase its resilience;

(b) forming a nearly triangular cutaway portion recessed in both walls of said U-shaped metal plate so as to produce a front part of individual needle pattern;

(c) forming a pointed end of said individual needle pattern by closing both walls of said front part;

(d) dividing a series of needle patterns combined with each other at repective pointed ends into a plurality of segmented needle bodies;

(e) grinding individual needle bodies;

(f) inserting a suture in a hollow portion of said needle body of a U-shaped section, closing said both walls of said U-shaped needle body and inserting and fixing in said hollow portion, thereby producing a suture needle;

(g) forming said suture needle in a bended from; and

(h) providing said suture needle with a sterilization treatment.

Compl. specn. 13 pages. Drgs. 8 sheets

CLASS : 126-D. 164539

Int. Cl. : H 05 k 13/08.

CIRCUIT ARRANGEMENT FOR TESTING INTEGRATED CIRCUIT COMPONENTS.

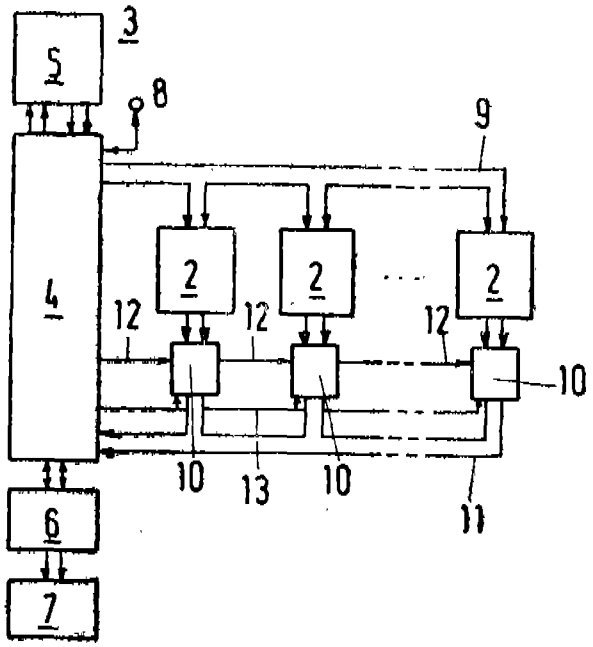
Applicant & Inventor : HEINZ KRUG, CARE AKADEMIK MERU, STATION 24, NL-6063 NP VLODROP, THE NETHERLANDS.

Application No. 461/Cal/1986 filed June 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims

A circuit arrangement for testing of circuit components, which are formed together with a testing circuit and switching stages on a common base plate as integrated circuits, and which are operable via common supply lines at the base plate, the switching stages being controlable by the testing circuit and being inserted in connecting lines which connects the circuit components either with the supply lines or with the testing circuit or with the supply lines as well as with the testing circuits, the testing circuit comprising an output circuit for outputting of test data, characterized in that the testing circuit (3) comprises a circuit for comparing of actual values obtained during the testing parameter, and further comprises a central unit (4) which is arranged in such a manner that it can test a plurality of circuit components (2), distinguish between faulty and faultless circuit components with regard to at least one test parameter, and decide on the respective functionality of the circuit components in time sequence.



Compl. specn. 16 pages. Drgs. 2

CLASS : 164540

Int. Cl. : B 60 s 11/00.

AN IMPROVED TILTING FORK CARRIAGE FOR FORK LIFT TRUCKS.

Applicant : MACNEILL & MAGOR LIMITED, OF 34/1 DIAMOND HARBOUR ROAD, CALCUTTA-700027, WEST BENGAL STATE.

Inventors : 1. PROTAP KUMAR GHOSE, 2. TARUN KUMAR GHOSE, 3. PINAKI PRASAD GHOSH.

Application No. 908/Cal/86 filed December 12, 1987.

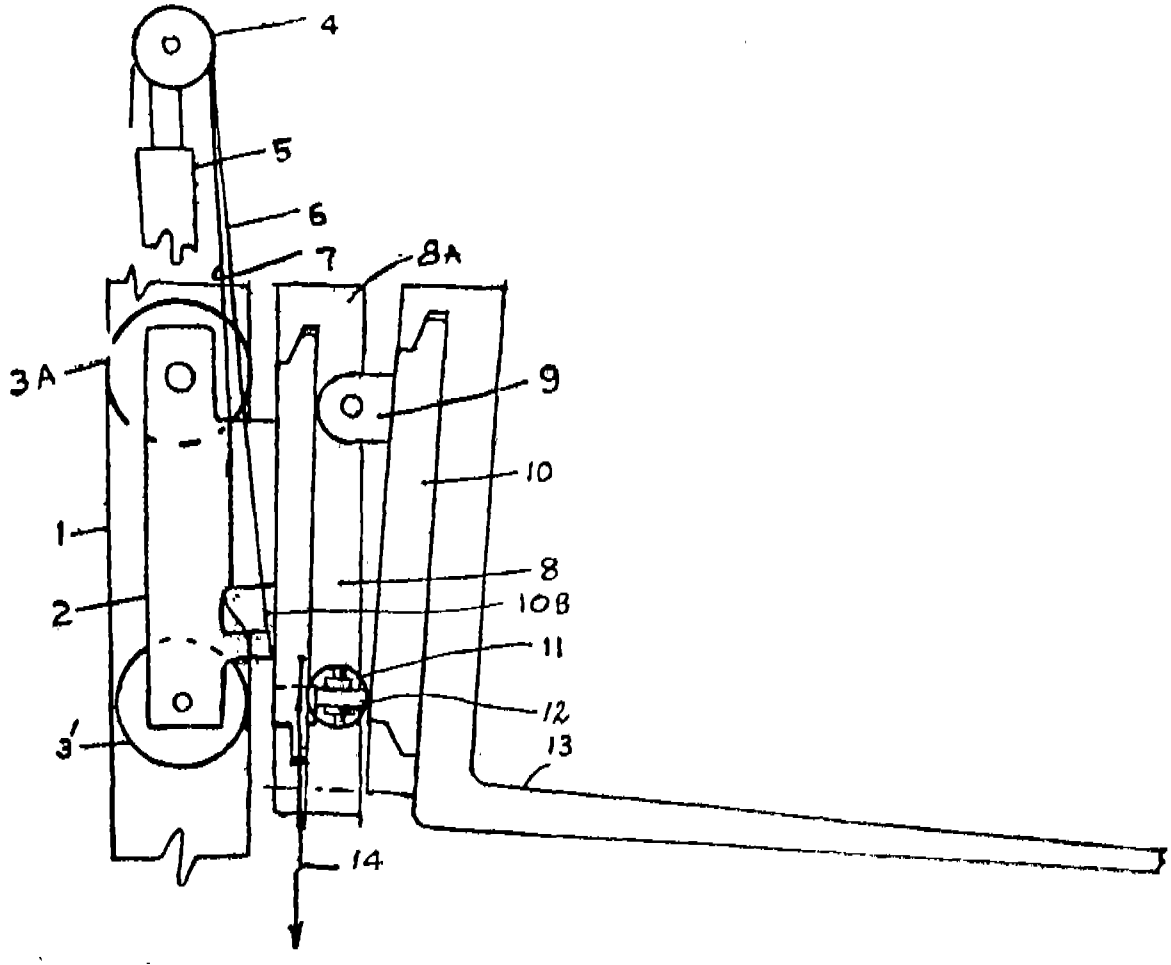
Complete Specification left on 11th December, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An improved tilting fork carriage for fork lift trucks comprising at least two guide-roller blocks of which one upper block holds at least one upper guide-roller at one end, is hingedly attached to one lower block at the other end and

fixedly attached to the fork carriage, said lower block being fitted with at least one guide-roller and at least one bell-crank lever system hingedly mounted thereon and linked to the fork carriage and a hydraulic jack.



Prov. specn. 7 pages. Drgs. 2 sheets
Compl. specn. 10 pages. Drgs. 2 sheets

CLASS : 164541

Int. Cl.[4] : C07C - 57/54.

A PROCESS FOR PREPARING BIS (NAPHTHALIC) DIANHYDRIDES".

Applicants : INSTITUT ELEMENTOORGANICHESKIKH SOEDINENY IMENI A.N. NESMEYANOVA AKADEMII NAUK SSSR, OF ULITSA NAVILOVA, 28, MOSCOW, U.S.S.R. AND YAROSLAVSKY POLITEKHNICHESKY INSTITUT, OF MOSKOVSKY PROSPEKT, 88, YAROSLAVI, U.S.S.R.

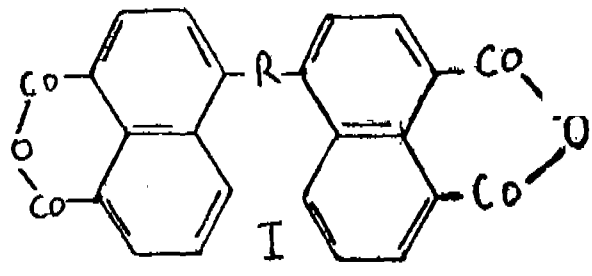
Inventors : VASILY VIADIMIROVICH KORSHAK, ALEXANDR LVOVICH RUSANOV, ALLA MARKOVNA BERLIN, FATIMA INALOVNA ADYRKHAEVA, GERMAN SEVIROVICH MIRONOV, JURY ALEXANDROVICH MOSKVICHEV, GALINA NIKOLAEVNA TIMOSHENKO, VLADIMIR IVANOVICH TITOV, MALKHAZ OTAROVICH SHALIKIANI, ALEXANDR SEMENOVICH KOGAN AND ALEXANDR STEPANOVICH TKACHENKO.

Application for Patent No. 496/Del/85 filed on 25th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

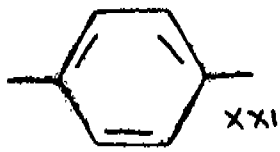
A method of preparing bis (naphthalic) dianhydrides of the Formula I shown in the accompanying drawing wherein



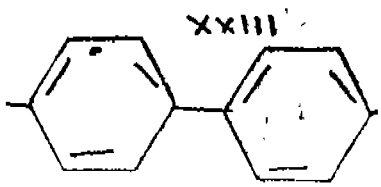
I

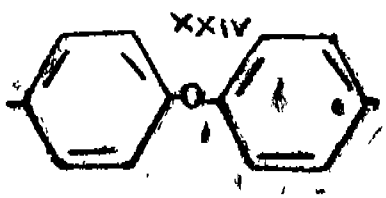
R is -CO-Ar-CO- or -C-
CCl$_2$

Ar is a radical of formula XXI, a radical of formula XXII, a

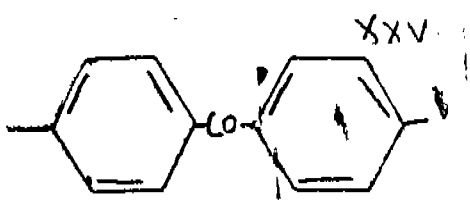


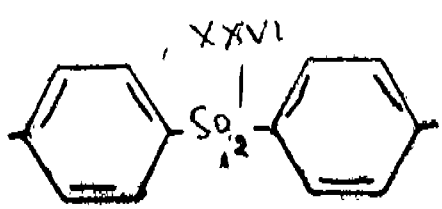
radical of formula XXIII, a radical of formula XXIV a radical of



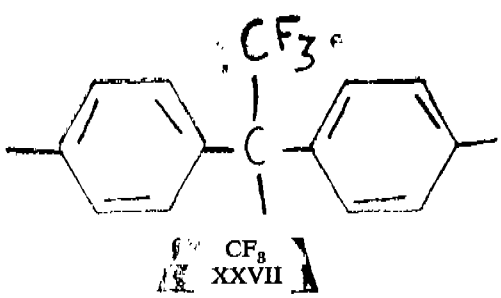


formula XXV, a radical of formula XXVI or a radical of

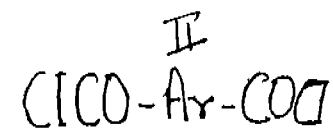




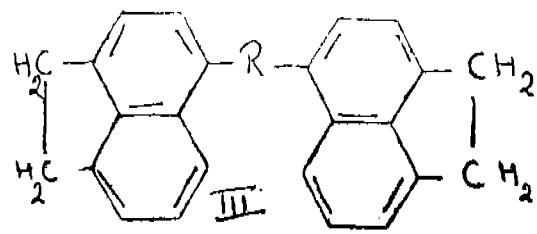
formula XXVII, comprising reacting acenaphthene with dicarboxylic acids



dichlorides of the general formula II in a medium of polychloroalkanes



in the presence of an acid catalyst first at a temperature within the range of farm 0 to 25°C, then at a temperature within the range of from 40 to 60°C, followed by oxidation of the resulting (acenaphthyl) compounds of the general formula III



wherein R - -CO-Ar-CO-,

Ar is a radical of formula XXI, a radical of formula XXII, a radical of formula XXIII, a radical of formula XXIV, a radical of formula XXV, a radical of formula XXVI or a radical of formula XXVII, with chromic acid salts in glacial acentic acid at a temperature within the range of from 90 to 110°C into corresponding tetracarboxylic acids which are then converted into bis (naphthalic) dianhydrides by heating at a temperature within the range of from 130 to 190°C.

Compl. specn. 33 pages Drg.s. 8 sheets

CLASS : 164542

Int. Cl.[4] : A 45 C 7/00, 13/28.

APPARATUS FOR WELDING AND CUTTING OFF AT LEAST ON TOP HORN OF A BAG OF SYNTHETIC MATERIAL.

Applicant : SOCIETE GENERALE DES EAUX MINERALES DE VITTEL, A FRENCH COMPANY, OF 88800 VITTEL, FRANCE.

Inventors : GEORGES BRIE & MICHEL CAZES.

Application for Patent No. 497/Del/85 filed on 25th June, 1985...

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

Apparatus for welding and cutting off at least one top horn of a bag of synthetic material, characterised in that it comprises a conveyor movable in fixed steps and on which is carried filled bags containing liquid to a holding unit located with respect to said conveyor to hold and position at least one bag at a time, said holding unit comprising a side plate, located parallel to the direction of mavement of the conveyor, a stop plate adjacent to said side plate and transverse to the direction of movement of said conveyor a closing angle member, which together with the side plate and the stop plate enclose and position said at least one bag in a vertical position with respect to the conveyor, and a welding cum gripping cum cutting tool located above said side plate for welding and cutting off the top horn of said bag adjacent said side plate.

Compl. specn. 13 pages. Drgs. 5 sheets

CLASS : 164543

Int. Cl.[4] : F16D 65/14.

"AN ELECTRIC BRAKE ACTUATOR FOR A RAILWAY VEHICLE".

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, A BRITISH COMPANY, OF PEW HILL, CHIPPENHAM, WILTSHIRE, UNITED KINGDOM.

Inventors : DAVID JOHN WICKHAM AND JOHN DAVID POOLE.

Application for Patent No. 538/Del/85 filed on 9th July, 1985. Convention date 30th July, 1984/8419374/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

An electric brake actuator for a railway vehicle, comprising :

an actuator for moving, in response to an actuator input signal an output member connected with brake operating rigging;

the connection between the output member and the brake operating rigging determining that the output member encounters a resistance to movement over at least part of its range of travel due to resilience and strain in the rigging so that there exists a non-linear relationship between a force exerted by the output member against the resistance and the force demanded by an input demand signal;

sensing means responsive to the position of the output member to provide a demand and/or feedback signal indicative of the position of the output member;

compensation means connected to the sensing means to receive the demand and/or feedback signal and produce a compensated feedback signal providing compensation for the non-linear relationship between the force exerted by the output member against said resilience to movement and the force demanded by the demand signal; and

comparator means connected to the compensation means and to receive said demand signal and serving to combine the compensated feedback signal or feedback signal and the demand signal and provide an error signal which is connected to the actuator to provide an actuator input signal corrected in accordance with said non-lineal relationship to produce movement of the actuator.

Compl. specn. 18 pages Drgs. 4 sheets

CLASS : 164544

Int. Cl.[4] : H01 H 9/02.

HOUSING FOR INTERCHANGEABLY AND SUPPORTABLY MOUNTING ELECTRICAL COMPONENTS.

Applicant & Inventor : RUDOLF REINHARDT.

Application for Patent No. 647/Del/85 filed on 7th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A housing for interchangeably and supportfably mounting electrical components as herein defined of the type having snap-action mounts and for use as a slide-in housing for installation in a so-called 19-inch-apparatus system, said housing comprising at least one extruded U-profile member having outside dimensions which fit into the apparatus system, said U-profile member having vertical opposed parallel side walls connected by a bottom wall, the opposed parallel side walls having on its inner side at least one profile slide rail extending in the longitudinal direction of said-U-profile member, said slide rail having lateral snap-fastening elements being operative for releasably and interchangeably engaging said snap-action mounts of electrical components.

Compl. specn. 14 pages. Drgs. 4 sheets

CLASS : 164545

Int. Cl.[4] : H01C 10/02.

Applicant & Inventor : MICHEL BENSADOUN, A FRENCH CITIZEN OF LE MONTIN, 87270 COUZEIX, FRANCE.

Application for Patent No.648/Del/85 filed on 7th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

26 Claims

Liqiud resistance rheostat with circulating electrolyte comprising a tank containing electrolyte, a pair of spaced electrodes one of said electrodes having means to be connected to an electrical power supply and the other of said electrodes having means to be connected to an apparatus to be supplied with electric power electrolyte flow path means constituted by the space between said electrodes and defining in electrolye flow path, said electrolyte flow path means having an inlet for communicating with the electrolyte in said tank and an outlet communicating with a clearance over said inlet, operation pumping means conectned to said electrolyte path means for pumping the electrolyte into contact with said electrodes and thereby the rthostst into its operative condition.

Compl. specn. 37 pages Drgs. 6 sheets

CLASS : 164546

Int. Cl.[4] : C07C 11/04.

"PROCESS FOR OBTAINING ETHYLENE FROM ETHANOL".

Applicant : DE BELGISCHE STAAT-L'ETAT BELGE THE STATE OF BELGIUM REPRESENTED BY THE GENERAL SECRETARY OF THE SERVICES FOR PROGRAMMATION OF SCIENCE POLICY, OF 8, RUE DE LA SCIENCE, 1040 BRUSSELS, BELGIUM.

Inventors : JULIA MARIA JACOBS, PIERRE AUGUST JACOBES AND JAN PAPTIST UYTTERHOEVEN.

Application for Patent No. 665/Del/85 filed on 14th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A process for obtaining ethylene from anhydrous ethanol or aqueous ethanol by means of a zeolite catalyst of the kind such as herein described, said catalyst containing a silicate of a first metal M1 having a valence of 3 and a tetraedric coordination and also a second metal M2 having a charge compensating effect and selected among the elements of the Ia, Ib, IIa, IIb, IIIa, IIIb, IVa, IVb, Va, Vb, VIIb and VIII of the Mendeljev table, said process comprising carrying out the reaction in presence of the catalyst of the above type which contains such a proportion of the metal M1 that

the molar ratio (M1-M2/n)/(Si+M1) (in which n is the valance of said metal) in percent is at most equal to about 1.5, the anhydrous ethanol or aqueous being reacted with said catalyst at such a temperature as herein before disclosed and during such a duration as herein before disclosed that the conversion rate of the ethanol is almost 100% and that the ethylene carbon selectivity is at least aqual to about 99% by weight.

Compl. specn. 75 pages

CLASS : 164547

Int. Cl.[4] : F26B 3/28.

A SOLAR ENERGY COLLECTOR.

Applicant & Inventor : BARRY LYNN BUTLER, A U.S. CITIZEN, OF 13525 PORTOFINO DRIVE, DEL MAR, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Application for Patent No. 769/Del/85 filed on 19th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A solar energy collector comprising :

(a) a frame;

(b) a plurality of solar collectors, each collector mounted by pivots at both ends of said collectors on the frame, so asto allow rotation of the collector about its longitudinal axis;

(c) each collector having a drive ring attached thereto, the longitudinal axis of the collector being perpendicular to the plane of the drive ring;

(d) for each collector, dolly wheels rotatably attached to the frame, and supporting the drive ring;

(e) a flexible belt routed over the drive ring and under the dolly wheels of each collector and

(f) drive means simultaneously rotating the collector by applying a rotational torque to the drive rings by means of the belt.

Compl, specn. 13 pages. Drg. 1 sheet

CLASS : 164548

Int. Cl.[4] : C08f 18/04.

PROCESS FOR PRODUCING LOW MULECULAR WEIGHT COPOLYMERS.

Applicant : THE B.F. GOODRICH COMPANY, A NEW YORK CORPORATION OF 500 SOUTH MAIN STREET, AKRON, OHIO 44318, UNITED STATES OF AMERICA.

Inventor : ZAEV SHARABY.

Application for Patent No. 775/Del/85 filed on 24th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A process for the production of law molecular weight copolymers of vinyl or vinylidene halides and vinyl esters of fatty acids by aqueous polymerization of vinyl or vinylidene halides with (a) from 1% to 10% by weight of total monomer of vinyl esters of fatty acids; having from 5 to 26 carbons in the chain, as a comonomer, and (b) from 0.03 to 1.50 parts by weight per 100 parts monomer of a water soluble or insoluble mercapten as a chain transfer agent, characterised by admixing mercaptan with said vinyl esters and thereafter adding said admixture to the polymerization reaction medium.

The product of the invention is useful in custom injection molding.

Compl. specn. 11 pages.

CLASS : 164549

Int. Cl.[4] : B01D 15/08.

PROCESS FOR SEPARATING SATURATED FATTY ACIDS.

Applicant : UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor : MICHAEL TERENCE CLEARY.

Application for Patent No. 818/Del/85 filed on 7th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for separating a first saturated fatty acid from a second saturated fatty acid containing in a feed mixture comprising said acids, the chain lengthh of said first saturated fatty acid being at least two carbon atoms greater than that of said second saturated fatty acid, said process comprising contacting said feed mixture at adsorption conditions with an adsorbent comprising a crystalline silica having a silica to alumina mole ratio of at least 12, thereby selectively adsorbing said first saturated fatty acid, removing the reminder of the feed mixture from the adsorbent, and recovering said first saturated fatty acid from said adsorbent by desorption at desorption conditions with a desorbent liquid soluble in said feed mixture and having a polarity index of at least 3.5.

Compl. specn. 26 pages. Drg. 1 sheet

CLASS : 164550

Int. Cl.[4] : G01M 3/18, 3/06.

A LEAKAGE DETECTOR TO CHECK DEFECTIVE 'O' RING FITTED INSIDE THE MOUTH OF THE L P GAS CYLINDER VALVE.

Applicant & Inventor : BAL KRISHAN GUPTA (AN INDIAN NATIONAL) L-3, HAUZ KHAS ENCLAVE, NEW DELHI-110 016, INDIA.

Application for Patent No. 173/Del/86 filed on 27th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A leakage detector to check defective 'O' ring fitted inside the mouth of the LP Gas cylinder valve comprising of a body (1), in two portions, a lower portion and an upper portion demarcated by partition (2), the lower portion of the body extending to a stub (3) and also having a sylindrical tube (1) surrounding the said stub with a gap to take the mouth of the cylinder valve (17) a rubber gasket (6) provided just below the said partition resting in the said cylindrical tube at (7), to seal the surface of the cylinder valve, the upper portion of the body comprising of a hollow tube (4) integral with the lower portion and extending on the side to same said cylindrical tube (1) having internal threads (9), a hole (5) provided on the side of the said stub just below the partition (2), the said hole in communication with the central hole of the said hollow tube (4), a tube (11), closed at one end at (12), having a mark (13) for suitable liquid to be filled upto the said mark the said tube (11) being placed inverted over the said holow tube, a transparant tube (8) threaded at both ends (9) and (14), screwed at its lower end to the said cylindrical tube of the body and its upper end to an end cover (15), said end cover having holes (16) for gas to escape, said transparant tube (8) surrounding the said inverted tube (11), a rubber gasket (10) provided at the bottom end of the said transparent tube and the said cylindrical tube of the body, the said stub (3) making a gas tight connection with the cylinder valve 'O' Ring (18).

Compl. specn. 7 pages Drgs. 1 sheet

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in/ the entry.

Class 3. Nos. 160191 & 160192. BRITA Wasser-Filter-Systeme GmbH of Waldstr. 4,6204 Taunusstein 4, Federal Repupblic of Germany, a Company organized and existing under the laws of Federal Republic of Germany. "Filter Cartridge". 23rd September, 1988.

Extn. of Copyright for the Second period of five years.

No. 153678. Class-1.

Nos. 159045, 159046, 159047, 159048, 159049, 159057, 159056, 159055, 159052, 159051, 155889, 155911. Class-3.

Extn. of Copyright for the Third period of five years.

Nos. 159045, 159046, 159047, 159048, 159049, 159057, 159056, 159055, 159052, 159051, 155889, 155911. Class-3.

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks

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